



**COUNTY OF SCHENECTADY  
BID#: RFB-2018-25  
NEW BUILDING:  
SCHENECTADY COUNTY LIBRARY-  
MONT PLEASANT BRANCH**

**DOCUMENT 009000 - ADDENDUM #2 – 2/14/18:**

The attention of all Bidders is called to the following Addendum. This Addendum is hereby included in and made a part of the Contract Documents, whether or not attached thereto. The following changes and/or additions shall be made to the plans and/or specifications. All requirements of the original Project Specifications and Drawings shall remain in force except as amended by this Addendum.

Acknowledge receipt of this addendum by inserting its number and date in the Bid Proposal.

This Addendum is as follows:

**GENERAL CLARIFICATIONS:**

1. General Clarification:

Q. Is there a cost estimate or budget range for the work?

A. The overall construction budget for the project (new construction and demo of existing library) is estimated at \$2 million.

2. General Clarification:

Q. Does the apprenticeship requirement apply to each individual contract over \$200,000 or the entire project?

A. The Apprenticeship requirement applies for all prime contracts over \$200,000.

3. General Clarification:

Q. Is there an asbestos survey for the existing library?

A. The pre-demolition hazmat survey has been completed. Please see attached "Report of Pre-Demolition Hazardous Materials Report for 1026 Crane Street, Schenectady, NY 12305"

4. General Clarification:

Q. What is the building schedule and completion date expectations?

A. See general phasing milestone schedule per specification section 010100-Summary of Work, Part 3, Phasing



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5. General Clarification:

Q. According to the Geotech boring reports the existing fill is located below the bottom of the footings. Does the existing fill from the building area have to be removed and recompacted?

A. Yes. Please follow requirements of specification section 003000 – Geotechnical Evaluation

6. General Clarification:

Q. The specification section 051200 “Structural Steel” is asking for the fabricator and installer to be AISC Certified Fabricator and Erector. This could be a problem. So far none of the three local certified fabricators had expressed an interest to bid this job, probably this project is too small for them. Also, voiding the certification requirement will increase the competition and reduce the overall cost.

A. This requirement will be deleted. It’s deletion will require special inspection verification of shop procedures and in shop inspections.

7. General Clarification:

Q. Will the demolition contractor be responsible for water/sewer terminations?

A. The demolition contractor will be responsible for termination of all water, sewer, electrical, sprinkler services, utilities, etc. to the existing library building to be demolished per specification section 010100-Summary of Work, Section 2.06, Bid Package 6 – Demolition Work.

8. General Clarification:

Q. For the folding partition track system please provide the detail to show the blocking, structure, trim, ceiling trim as it’s requested on the ceiling plan 1/A400.

A. See Structural Drawing S-5 “Movable Partition Support Structure Detail” for structural support detail. Provide complete installation of Operable Partition per note on drawing 1/A400 and Specification Section 010100 – Summary of Work and Specification Section 102226 – Operable Partition

9. General Clarification:



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Q. The Alternate #1 reads: "Delete folding partition and all items required for complete installation". Does it mean that besides deleting the folding partition also should be deleted:

- a. Movable Partition Support Structure as it detailed on the drawing S-5
- b. 2'-8" long pocket walls and a small bump wall along column line "B"

A. See revised Specification Section 012300 – Alternates in Project Manual section of this addendum

**10. General Clarification:**

Q. I am looking into placing a bid on the above referenced project. I searched and have not yet found any plans or drawings that layout in detail the sprinkler plans for the building.

A. Per specification Section 211315-Sprinkler System Work, Part 3.2-Design, The Fire Suppression Work Contractor is responsible for the design and installation of the fire suppression system which includes any design and drawings required.

**PROJECT MANUAL:**

**1. SECTION 010100 – SUMMARY OF WORK**

A. Section 010100, Part 2., 2.06 Bid Package 6: Demolition Work, B.,  
Add the following item:

24. Provide all demolition and removal of all hazardous material, etc. and all associated items required for complete demolition and removal of existing building per Intertek-PSI "Report of Pre-Demolition Hazardous Materials Report for 1026 Crane Street, Schenectady, NY 12305".

**2. SECTION 012300 – ALTERNATES**

A. Section 012300, Part 3 Execution, 3.1 Schedule of Alternates, 1., a.,  
Change this item to read:

- a. Delete folding partition and all items required for complete installation, including 2'-8" +/- pocket walls and all associated items complete. Structural steel support per drawing S-5, detail "Movable Partition Support Structure Details" to remain in base bid and not to be included in Alternate #1.



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**DOCUMENT 009000 - ADDENDUM #2 – 2/14/18:**

3. SECTION 051200 - STRUCTURAL STEEL
  - A. Section 051200, Part 1 General, 1.6 Quality Assurance, A. Delete Item A. "Installer Qualifications" in its entirety
  - B. Section 051200, Part 1 General, 1.6 Quality Assurance, B. Delete Item B. "Fabricator Qualifications" in its entirety
4. SECTION 084413 - ALUMINUM CURTAIN WALL
  - A. Section 084413, Part 2 Products, 2.1 Products, A. 1., Change this item to read:
    1. Units shall be Kawneer 1600 Wall System 1 Curtain Wall, 2 ½" Wide by 7 ½" Deep.
5. SECTION 088100 - GLASS AND GLAZING
  - A. Section 088100, Part 2 Products, 2.1 Products, B. 1., Change this item to read:
    1. Clear glass shall be 1/2" laminated safety glass.
6. SECTION 123720 – CASEWORK
  - A. Section 123720, Part 2, 2.1 Products, A. Change this item to read:
    - A. All casework indicated on the drawings, except as specified elsewhere, shall be laminated cabinetry with 3 mil PVC edging with eased corners around doors and drawer fronts. All as manufactured by LSI Casework or approved equal.
  - B. Section 123720, Part 2, 2.1 Products, N., 11. Delete item #11 in its entirety.

**DRAWINGS:**

1. Drawing A001 – WALL TYPES/DOOR SCHEDULE
  - A. Drawing 1/A001:

Book Drop to be: American Book Returns Model HSU-BR Interior book drop w/ optional chute. Unit to be Stainless Steel w/ lockable spring loaded push plate door.



RE4ORM ARCHITECTURE

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Schenectady, NY 12305

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**DOCUMENT 009000 - ADDENDUM #2 – 2/14/18:**

2. Drawing A110 – ROOF PLAN

A. Drawing 1/A110:

1. Replace existing drawing A110 with attached revised drawing A110 w/  
Revision #1 clouded.

3. Drawing F100 – FINISH PLAN

A. Drawing 1/F100:

1. Replace existing drawing F100 with attached revised drawing F100 w/  
Revision #1 clouded.

**END OF ADDENDUM #2**



**REPORT OF  
PRE-DEMOLITION HAZARDOUS  
MATERIALS SURVEY REPORT**

**FOR**

**1026 CRANE STREET, SCHENECTADY  
NEW YORK, 12305**

**Prepared for**

**COUNTY OF SCHENECTADY  
DEPARTMENT OF ENGINEERING AND  
PUBLIC WORKS  
612 STATE STREET  
SCHENECTADY, NEW YORK, 12305**

**Prepared by**

**PROFESSIONAL SERVICE INDUSTRIES, INC.  
104 ERIE BOULEVARD, SUITE 1  
SCHENECTADY, NEW YORK 12305  
TELEPHONE (518) 377-9841**

**February 2, 2018**

**PSI PROJECT NO. 08212746**



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February 2, 2018

**Mr. Donald Scheuer**  
County of Schenectady  
Department of Engineering and Public Works  
Bureau of Buildings and Ground  
612 State Street  
Schenectady, NY, 12305

Re: Pre-Demolition Hazardous Materials Survey Report  
1026 Crane Street  
Schenectady, New York, 12305  
PSI Project No. 08212746

Dear Mr. Scheuer:

In accordance with PSI Proposal No. 0821-232499, Professional Service Industries, Inc. (PSI) performed a Pre-Demolition Hazardous Materials Survey at the above referenced property. The assessment included identifying asbestos containing material, lead-based paint, mercury thermometers/switches and polychlorinated biphenyls (PCBs) containing caulks. Please find one electronic copy of the final report enclosed.

Thank you for choosing PSI as your consultant for this project. If you have any questions, or if we can be of additional service, please call us at (518) 377-9841.

Respectfully submitted,

**PROFESSIONAL SERVICE INDUSTRIES, INC.**

A handwritten signature in black ink, appearing to read "Alex Navratil".

Alexander T. Navratil  
Staff Specialist

A handwritten signature in black ink, appearing to read "John J. Tranter".

John J. Tranter  
Principal Consultant

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## 1 EXECUTIVE SUMMARY

Professional Service Industries (PSI), Inc., was retained by the County of Schenectady to conduct a pre-demolition hazardous material survey for asbestos-containing materials (ACM), lead-based paint (LBP), mercury thermometers/switches and polychlorinated biphenyls (PCBs) containing caulks of interior and exterior areas at the structure located at 1026 Crane Street, Schenectady, New York.

The purpose of the investigation and sampling was to provide information regarding the presence, condition, and estimated quantity of hazardous materials that will be disturbed during the demolition of the structure locational at 1026 Crane Street, in Schenectady, New York.

The subject structure is currently occupied as a town library and consists of one main floor, with full basement, and attic.

The hazardous material inspection was conducted on January 11, 2018.

### Asbestos Inspection Observations

PSI's inspector was able to access all areas of the building and documented each area of the building for suspect asbestos containing materials, ACM. The site sketch located in Appendix D, provides Room identification numbers which are used in this report.

The main floor of the building is divided between an open floor library and faculty rooms which include a breakroom, restrooms, and access areas to both attic and basement. A drop ceiling was present through-out the main floor. PSI's inspector observed a tin ceiling nailed into wooded decking above the drop ceiling which had a black vapor barrier located beneath the tin ceiling. PSI checked the interior perimeter of the building above the drop ceiling and observed that the framework consisted of bricks with large sections of brick mortar located across the bricks. The main floor was carpeted and was placed over wood. The back areas of the building had carpeted flooring with 12" x 12" tan floor tile located beneath, with a purple floor tile beneath the tan. The size of the gray floor tile could not be determined. Both carpet and floor tile were adhered to wooden floor boards. It should be noted that the floor tile, associated mastics and carpet adhesives were sampled and all samples analyzed not to contain asbestos. A full list of suspect asbestos containing materials found on the main floor can be found in Appendices E.

The attic entrance is in room 1F8 on the main floor. PSI's inspector documented the attic to be wooden boards laid over rafters. PSI's inspector was able to access all areas of the attic and noted several suspect asbestos containing materials. PSI's inspector identified vermiculite insulation along a perimeter wall of the attic and determined it to be present around the entire perimeter of the attic space. **Per NYS regulations vermiculite insulation fill must be treated as an asbestos containing material.** PSI's inspector checked exposed areas of the brick frame along the north and south side of the building for vapor barriers and observed no vapor barrier between the layers of brick. Additionally, PSI's inspector noted the HVAC unit to have a vibration dampening cloth

associated with the duct work. PSI did not sample the material because the unit is currently operational. The vibration dampening cloth must be assumed as asbestos containing until laboratory analysis can prove otherwise. A full list of suspect asbestos containing materials found in the attic can be found in Appendices E.

The basement entrance is on the south end of the building adjacent to the fire escape exit found in room 1F3. The basement runs the entire length and width of the building with exposed concrete foundation. The basement is currently being used as storage. PSI's inspector identified several suspect asbestos containing materials in the basement including air-o-cell pipe insulation and air-o-cell pipe insulation wrap. PSI's inspector examined the foundation of the building around exposed areas where old window frames were once present. PSI's inspector did not observe any vapor barriers or tar at these locations. A full list of suspect asbestos containing materials found on the attic can be found in Appendices E

PSI examined the roof for asbestos containing materials by coring through the roof to the substrate decking. PSI observed the main roof to consist of four identifiable layers. The top layer is a rubber membrane with yellow adhesive, second layer a fiberboard with associated vapor barrier, the third layer a black tar, and the fourth bottom layer a black vapor barrier. Additional roofing materials were identified on the roof and can be found in Appendices E

A total of one hundred and one (101) samples were collected from forty-nine (49) suspect asbestos-containing homogeneous materials.

The samples were analyzed by Polarized Light Microscopy (PLM), matrix reduction with PLM, and Transmission Electron Microscopy (TEM) in accordance with the New York State Department of Health Environmental Laboratory Approval Program (ELAP).

**The following seven (7) asbestos containing materials (ACM) were identified during this investigation:**

- **Vermiculite Insulation Fill in Attic**
- **Air-o-Cell Pipe Insulation throughout basement**
- **White Exterior Brick Caulk**
- **Old Grey Flashing on Roof**
- **Bottom Layer Black Vapor Barrier (Roof Layer 4)**
- **Black Tar Layer (Roof Layer 3)**
- **Black Sink Basin Coating, kitchen area**

**The following one (1) material was assumed asbestos containing during the investigation:**

- **Vibration Dampening Cloth (Attic)**

At the time of the survey, the materials surveyed were predominately in fair/poor condition.

ACMs should be maintained in a good non-damaged condition through use of an Operations and Maintenance (O&M) program. Regulated ACM (RACM) must be properly removed by a licensed asbestos abatement contractor prior to renovations or demolition that would disturb the material. Federal, State and Local regulations and guidelines should be strictly adhered to when removing the ACM.

In many areas, EPA Category I & II non-friable ACMs in good condition do not need to be removed prior to renovation. However, if demolition or renovation practices will cause these materials to be cut, sanded, ground or abraded, or otherwise made friable, they should be treated as RACM and removed prior to demolition. If non-friable ACM's are not removed prior to demolition, the generated debris cannot be recycled or used as clean-fill.

In addition, prior to any future renovation or demolition activities, any assumed ACMs that will be disturbed should be sampled and analyzed for asbestos content. If additional suspect ACM materials are discovered during renovations that do not appear to have been sampled during this survey, they should be left undisturbed until sampling for asbestos can be performed.

The following materials were sampled and analyzed and determined not to contain asbestos or to contain  $\leq 1\%$  asbestos; therefore, they are not considered to be ACM by EPA.

- Terrazzo Flooring
- Terrazzo Flooring Mortar
- 2x4 Bird Track Ceiling Tile
- 2x4 Worm Track Ceiling Tile
- Drywall
- Joint Compound
- Drywall Patch
- Carpet Adhesive
- Grey Leveling Compound
- Granite Linoleum Flooring
- Granite Linoleum Flooring Adhesive
- White Sink Caulk
- 12x12 Beige Floor Tile
- 12x12 Beige Floor Tile Adhesive
- 2x4 Textured Ceiling Tile Paper
- White Paneling Adhesive
- Tin Ceiling Black Vapor Barrier (Trace)
- Batt Insulation Pink Paper
- White HVAC Sealant
- Brick Mortar
- Wood Black Vapor Barrier
- White Wall Patch
- Block Mortar
- Residual Weaved Wrapping
- Old Ceiling Paper
- Old Drywall
- Grey Cove Base
- Brown Cove Base
- Black Cove Base
- Red Cove Base
- Yellow Cove Base Adhesive
- Tan Cove Base Adhesive
- Light Brown Cove Base
- 12x12 Purple Floor Tile
- 12x12 Purple Floor Tile Adhesive
- Old Window Caulk
- New Window Caulk
- Silver Vapor Barrier
- Black Roof Sealant
- Fiberboard w/ Vapor Barrier
- Rubber Roof Yellow Adhesive
- New Dry Wall

The materials listed above are unregulated by EPA, and are considered unclassified asbestos work per OSHA. Some OSHA work control practices and prohibitions will still apply, with the extent depending on whether the worker's exposure to airborne asbestos exceeds the OSHA PEL during the renovation/demolition process

### **Lead-Based Paint (LBP) Coatings:**

Four (4) paint chip samples were collected from the representative areas throughout the structure and analyzed for lead. The laboratory results were compared to the HUD definition of lead-based paint as 0.5% lead. The table below provides a summary of the painted materials that were tested with the respective lead concentrations:

<b>Painted Material</b>	<b>Sample Number</b>	<b>Lead Concentration by weight</b>	<b>Lab Reporting Limit by weight</b>
Yellow Drywall Paint	LBP-01	<0.011%	0.011%
<b>Old Brick Mortar Paint</b>	<b>LBP-02</b>	<b>0.11%</b>	<b>0.010%</b>
White Drywall Paint	LBP-03	<0.012%	0.012%
Red Exterior Metal Paint	LBP-04	<0.010%	0.010%

The sample collected the old brick mortar was found to contain detectable concentrations of lead below the HUD threshold of 0.5% by weight, but above the reporting limit of the laboratory. As a result, contractors must follow the OSHA construction standard for lead when disturbing materials that contain detectable concentrations of lead.

### **PCB Caulking:**

A total of four (4) suspect PCB caulking material samples were collected and analyzed. These four samples were found to contain no detectable concentrations of PCBs above 50 parts per million. Therefore, Toxic Substance Control Act (TSCA) PCB handling requirements do not apply to the materials sampled.

### **Other Hazardous Materials:**

PSI observed fluorescent bulbs through-out the building that should be disposed properly. PSI did not observe any mercury containing thermostat switches at the time of the survey. These materials are further summarized in Section 5 of this report.

### **Inaccessible Areas**

All areas of the building/structure were made available by the owners property management.

This summary does not contain all the information presented in the full report. The report should be read in its entirety to obtain a more complete understanding of the information provided and to aid in any decisions made or actions taken based on this information.

## **2 INTRODUCTION**

PSI conducted a Pre-Demolition Hazardous Materials Survey for the proposed demolition of the building located at 1026 Crane Street, Schenectady, New York. The pre-demolition hazardous materials survey was performed on January 11, 2018. PSI's on-site inspector was Mr. Alexander Navratil (NYS DOL No. 13-14616).

The pre-demolition hazardous materials survey was conducted at the request of The County of Schenectady on the basis of identifying asbestos-containing materials (ACM), lead-based paint (LBP), mercury containing switches and PCB containing caulk materials that may be impacted by the proposed full building demolition.

The assessment was generally conducted in four phases as follows:

**Phase 1 - Record Document Review-** Drawings, floor plans, historical data or other documents provided to PSI or made available on-site were evaluated for the general construction history and layout of the facility. Other documents such as maintenance records, operation and maintenance plans, laboratory results, etc., provided to PSI or made available on-site were also reviewed. This data was used to focus the walk through and scope of work to be followed over the course of our visual inspection and sampling.

**Phase 2 - Visual Inspection-** A visual inspection of the facility was conducted to identify, quantify and assess the condition of suspect materials. The inspection team accessed each area and recorded suspect materials present. Each material was visually estimated for total quantity within the space. The general condition and friability were also recorded. The areas inspected by PSI were limited to accessible and/or exposed areas of the facility. PSI did not perform any intrusive evaluation into spaces behind finished surfaces. For the purpose of this inspection, areas above drop ceilings were considered accessible while areas behind finished drywall or plaster systems were considered inaccessible.

**Phase 3 - Sample Collection and Analysis-** Asbestos samples were collected for each suspect homogeneous area. Samples were submitted to PSI Schenectady and AmeriSci's New York (AmeriSci-New York) New York accredited laboratories for asbestos analysis by Polarized Light Microscopy (PLM) ELAP Method 198.1 for friable sample materials, Non-Friable Organically Bound (NOB) analysis by PLM-NOB (ELAP Method 198.6), and further NOB analysis (as required) by Transmission Electron Microscopy (TEM-NOB) per ELAP Method 198.4 in accordance with New York State Department of Health - Environmental Laboratory Approval Program (ELAP). Samples of paint coatings were collected and submitted to PSI's Pittsburgh, Pennsylvania analytical laboratory for lead-based paint (LBP) analysis. Suspect PCB containing caulk samples were collected and submitted to Con-Test analytical laboratory (Con-Test) in East Longmeadow, Massachusetts for PCB analysis.

**Phase 4 - Project Report** - This report outlines the pre-demolition hazardous materials survey findings based on the testing results and field observations. The report also includes a discussion of sampling methodology, locations, analytical methods, results, and conclusions.

## **2.1 AUTHORIZATION**

Authorization to perform this pre-demolition hazardous materials survey was given by Mr. Donald Scheuer in the form of PSI proposal number 0821-232499 dated January 10, 2018. Access to the site was also coordinated through Mr. Scheuer.

## **2.2 SITE DESCRIPTION & OWNER INFORMATION**

The structure is located at 1026 Crane Street in Schenectady, New York, and is owned and operated by the County of Schenectady. The structure is scheduled for demolition and a new library will be constructed at the site.

## **2.3 PROJECT BACKGROUND**

PSI was contracted by the County of Schenectady to perform a pre-demolition hazardous materials survey of 1026 Crane Street, in Schenectady, New York. All accessible and exposed suspect building materials throughout the structure were assessed and analyzed for the presence of asbestos, lead-based paint, and PCB containing caulks, and mercury.

## **2.4 PURPOSE AND SCOPE**

The purpose of this pre-demolition hazardous materials survey was to identify, quantify, sample, and analyze suspect building materials that may be disturbed during the proposed demolition plan of the subject property. The pre-demolition hazardous materials survey was completed in general accordance with the authorized scope of work as identified in PSI Proposal No. 0821-232499 dated January 10, 2018.

### 3 GENERAL BUILDING AND SURVEY INFORMATION

#### 3.1 BUILDING INFORMATION

<u>Subject Property:</u>	1026 Crane Street, Schenectady, New York, 12305
<u>Facility Construction Date:</u>	Unknown,
<u>Previous Renovation Dates:</u>	Unknown
<u>Number of Floors:</u>	1 <sup>st</sup> Floor, Basement, and Attic
<u>Square Footage:</u>	3,200 Square Feet
<u>Construction Type:</u>	Brick with Concrete Foundation
<u>Building Occupant(s):</u>	Occupied
<u>Owner Information:</u>	County of Schenectady

#### 3.2 INSPECTION INFORMATION

<u>Name of PSI Inspector(s):</u>	Alexander T. Navratil NYS DOL Certification No. 13-14616
<u>Date(s) of Inspection:</u>	January 11, 2018
<u>Escort:</u>	None

## 4 ASSESSMENT ACTIVITIES

PSI conducted the Pre-demolition hazardous materials survey on January 11, 2018. The structure located at 1026 Crane Street, in Schenectady, New York is a single-story building with full basement and attic currently occupied and operated as a town library. The building contains approximately 3,200 square feet of building space and is constructed with a brick framework and concrete foundation. PSI's on-site inspector was Mr. Alexander Navratil (NYS DOL No. 13-14616).

### 4.1 RECORD DOCUMENT REVIEW

PSI was provided with a building layout for the main floor only. No additional documents were provided to PSI during the hazardous material survey.

### 4.2 VISUAL INSPECTION

PSI's inspectors accessed all rooms or areas of the subject site that did not pose a threat to the health and safety of the inspection team to identify suspect homogeneous areas of potentially hazardous materials. Suspect materials were categorized into homogeneous areas on the basis of color, texture, appearance, use and apparent construction era (where available). Each homogeneous area was given a unique material description. Quantities were visually estimated by the inspector.

PSI's visual inspection included only those areas which were accessible and/or exposed to the inspector at the time the inspection was conducted. Areas behind closed systems such as drywall or plaster ceilings were not accessible for the purpose of this survey. Areas above drop panel ceilings were considered accessible. No intrusive evaluations were performed.

### 4.3 SAMPLING AND ANALYSIS

#### Asbestos-Containing Materials (ACM):

PSI's asbestos inspector, under the supervision of a Principal Consultant, developed a sampling scheme for suspect ACM at the facility. At a minimum, three samples of suspect thermal system insulation were collected, samples of surfacing materials were collected in accordance with AHERA's 3-5-7 rule, and miscellaneous materials were collected in a manner sufficient to determine whether the material is an ACM. Sample locations were randomly chosen to the extent possible; however, preference was given to safely accessible locations and damaged materials.

Each sample location was sprayed with amended water and was kept wet during the sampling process. Samples were collected by coring through the material from the surface down to the base substrate. All layers of the material were extracted and placed into a sample container for transport to the laboratory. Sample containers were sealed and labeled with a unique sample id. Following sample extraction, the sample location was sealed using a clear liquid encapsulant or covered with

tape where feasible. Restoration of finishes and materials to their pre-sampling condition was not provided.

Samples were submitted to PSI Schenectady and AmeriSci's laboratory in New York, New York. Both laboratories are approved under ELAP requirements for analysis of asbestos in bulk samples. Please refer to the appendices for copies of their accreditations.

The samples were analyzed for asbestos on a "positive-stop" basis by polarized light microscopy (PLM) in accordance with the New York State ELAP method 198.1, 198.4, and 198.6 where required. Analysis was performed by using bulk samples for visual observation and slide preparation(s) for microscopic examination and identification. The samples were mounted on slides and then analyzed for asbestos (chrysotile, amosite, crocidolite, anthophyllite, actinolite/tremolite), and fibrous non-asbestos constituents (mineral wool, fiberglass, cellulose, etc.). Asbestos was identified by refractive indices, morphology, color, pleochroism, birefringence, extinction characteristics, and signs of elongation. The same characteristics were used to identify the non-asbestos constituents.

### **Lead-Based Paint (LBP) Coatings:**

A visual assessment of accessible and exposed painted surfaces was conducted by PSI's Inspectors. Following the walk-through, the inspector sampled the identified painted components for lead by collecting 'paint chips'. Testing was conducted on representative painted materials throughout the areas that may be impacted by the proposed work. Test locations were chosen to be representative of the testing combination.

An area of approximately two (2) square inches was extracted from coated components down to but not including the substrate. Chip samples were placed in a sealed container and labeled for analysis. Restoration and repainting of sampled surfaces was not within the scope of PSI's paint sampling protocol.

The paint chip samples were analyzed for lead by Atomic Absorption Spectrometry (AAS) methodology in accordance with method EPA SW-846 7420 or 7000B. The analyses were performed by PSI-Pittsburgh's American Industrial Hygiene Association (AIHA) and Environmental Lead Laboratory Accreditation Program (ELLAP) accredited laboratory (AIHA #11078) in Pittsburgh, Pennsylvania.

### **PCB Caulking:**

In accordance with US EPA building demolition recommendations, PSI collected bulk samples of caulk materials suspected to contain PCBs for laboratory analysis. PSI's sampling methods conformed to EPA SW846.

PCB bulk samples were analyzed by EPA Method 8082. The lab report values are provided in milligrams per kilogram (mg/kg) which is equivalent to parts per million (ppm). Material which contains greater than 500ppm PCB concentrations must be handled as a hazardous material.

The suspect PCB samples were analyzed for PCBs in accordance with method EPA SW-846 8082. The analysis was performed by Con-Test's ELAP accredited laboratory (ELAP #10899) in East Longmeadow, Massachusetts.

#### **4.4 LIMITATIONS**

This hazardous material survey was intended to meet the requirements of the National Emissions Standard for Hazardous Air Pollutants (NESHAP) for building demolitions. The survey included a thorough inspection of all accessible areas of the structure.

Inaccessible is defined as areas of the building that were locked, or where admittance was not permitted. It also includes areas/materials that could not be tested (sampled) without destruction of the structure or a portion of the structure, and areas/materials that could not be safely reached by the inspector or inspection team. In the event that access to a portion of the building was not obtained (which otherwise would have been tested), such limitations specifically are identified in the Findings Section of this report.

PSI did not sample any system which presented a hazard to the inspection team such as energized electrical systems or within confined spaces.

#### **4.5 WARRANTY**

The field and laboratory results reported herein are considered sufficient in detail and scope to determine the presence of accessible and/or exposed suspect ACM for the building structure. Professional Service Industries (PSI), Inc., warrants that the findings contained herein have been prepared in general accordance with accepted professional practices at the time of its preparation as applied by professionals in the community. Changes in the state of the art or in applicable regulations cannot be anticipated and have not been addressed in this report.

The survey and analytical methods have been used to provide the client with information regarding the presence of accessible and/or exposed suspect ACM, LBP, PCB, and mercury existing at the time of the inspection. Test results are valid only for the material(s) tested. There is a distinct possibility that conditions may exist which could not be identified within the scope of the study or which were not apparent during the site visit. This inspection covered only those areas that were exposed and/or physically accessible to the Inspector. The study is also limited to the information available from the client at the time it was conducted.

As directed by the client, PSI did not provide any service to investigate or detect the presence of moisture, mold or other biological contaminants in or around any structure, or any service that was designed or intended to prevent or lower the risk of the occurrence of the amplification of the same. Client acknowledges that mold is ubiquitous to the environment with mold amplification occurring when building materials are impacted by moisture. Client further acknowledges that site conditions are outside of PSI's control, and that mold amplification will likely occur, or continue to occur, in the presence of moisture. As such, PSI cannot and shall not be held responsible for the occurrence or recurrence of mold amplification.

No other warranties are implied or expressed.

## 5 FINDINGS

### 5.1 ASBESTOS RESULTS

A total of one hundred and one (101) samples were collected forty-nine (49) suspect asbestos-containing homogeneous materials from the subject structure during the survey.

**The following seven (7) asbestos containing materials (ACM) were identified during this investigation:**

- **Vermiculite attic insulation**
- **Air-o-Cell Pipe Insulation in the basement**
- **White Exterior Caulk located on brick**
- **Old Grey Flashing on the roof**
- **Bottom Layer Black Vapor Barrier (Roof Layer 4)**
- **Black Tar Layer (Roof Layer 3)**
- **Black Sink Basin Coating in the kitchen**

**The following one (1) material was assumed asbestos containing during the investigation:**

- **Vibration Dampening Cloth located in attic**

PSI's inspector identified vermiculite insulation in the perimeter walls of the attic. The material was identified in the SW corner of the attic where an exposed section of the insulation could be easily viewed. The vermiculite is assumed to continue around the entire perimeter of the attic space and should be treated as an ACM.

PSI identified approximately 20 linear feet of asbestos containing Air-o-Cell Pipe insulation in the basement across the north wall ceiling. The pipe insulation was observed on several pipes running between rooms BF1 and BF2. **There is a potential that air-o-cell pipe insulation may be found behind walls in the bathroom and kitchen area.**

PSI identified asbestos containing white exterior caulk in the exterior main entrance cavity on the north side of the building. Approximately 20 linear feet of caulk was observed on expansion joints running vertically up both sides of the main entrance walls and across the ceiling.

PSI identified the break room 1F3 sink to have a black sink basin coating along the west wall. The material was analyzed as asbestos containing.

PSI examined the roof for asbestos containing materials by coring through the roof to the substrate decking. PSI observed the main roof to consist of four identifiable layers. The top layer a rubber membrane with yellow adhesive, second layer a fiberboard with associated vapor barrier, the third layer a black tar, and the fourth bottom layer a black vapor barrier. The third layer black tar and

fourth layer black vapor barrier were identified as asbestos containing. **Due to the location of the positive material and destructive nature of roof abatement all layers of the roof system should be removed as ACM and cannot be separated.**

PSI identified a vibration dampening cloth associated with the HVAC unit in the attic. The material is assumed to contain asbestos containing materials as it could not be sampled without impacting the system. This material should be treated as ACM until analytical results prove otherwise.

The “Report of Bulk Sample Analysis for Asbestos,” the “Asbestos Bulk Sample Log,” “Sample Location Diagram” and “Asbestos Assessment Spreadsheets” are included in the Appendices. Table 1 attached to this report lists the ACMs observed throughout the building. Table 2 attached to this report lists the materials assumed to be ACM observed throughout the building.

The tables provide a description of the materials, their general locations, condition, friability, % ACM and type, EPA NESHAP Category, and estimated quantity.

### 5.1.1 INACCESSIBLE AND LIMITED ACCESS AREAS

The following areas were inaccessible during the survey or had limited access and therefore were not included in the scope of the survey.

The following areas had limited access during the survey.

- No areas were inaccessible

### 5.1.2 NON-SUSPECT MATERIALS

The following materials were observed but are considered ‘non-suspect’ ACM due to their composition (fiberglass, rubber, etc.) and were not sampled.

- Plywood and Wooden Doors
- Fiberglass
- Plastic
- Glass
- Metal Trim and Flashing
- Silicone
- Concrete

### 5.1.3 REGULATORY GUIDELINES:

#### **ACM Definition –**

The EPA and OSHA consider a material to be asbestos-containing if at least one sample from the homogeneous area shows asbestos in an amount greater than 1%.

#### **Point Count Quantification –**

If a material is found to contain 10% or less asbestos via visual estimation, it can be treated as non-asbestos-containing per EPA Regulations, if verified to contain 1% or less asbestos by the Point Count Quantification Procedure. If not point counted, a sample in which asbestos was visually detected and estimated (including trace to  $\leq 1\%$ ) must be assumed to be greater than 1% and treated as ACM. Please refer to the laboratory analyses for a more detailed description of the microscopic analysis of individual samples.

#### **EPA NESHAP Category –**

EPA classifies ACM into several categories. A regulated asbestos-containing material (RACM) as defined by the Asbestos National Emissions Standard for Hazardous Air Pollutants (NESHAP) is any (a) Friable asbestos material, (b) Category I non-friable ACM that has become friable, (c) Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading, or (d) Category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation operations. A Category I Non-friable ACM includes packings, gaskets, resilient floor covering, and asphalt roofing products which contain more than one percent asbestos. A Category II Non-friable ACM includes any material, except for a Category I non-friable ACM, which contains more than one-percent asbestos and cannot be reduced to a powder by hand pressure when dry.

#### **The Occupational Safety and Health Administration (OSHA) –**

OSHA requires all suspect materials to be analyzed by layer, even materials such as drywall/joint compound, which may sometimes be composited per the EPA. If any layer contains asbestos in a concentration  $>1\%$ , the material is considered an ACM.

OSHA has a classification system (I thru IV) for ACM depending on the type of material and the disturbance. Briefly, **'Class I'** work is defined as activities involving the removal of ACM or presumed ACM (PACM) that is thermal system insulation (TSI) and surfacing materials. **'Class II'** activities involve removal of ACM/PACM other than TSI or surfacing material. **'Class III'** work includes repair and maintenance operations which are likely to disturb ACM/PACM, and **'Class IV'** work includes maintenance and custodial activities during which employees contact but do not disturb ACM/PACM.

Materials where asbestos is detected, but where point counting is conducted and determined that the concentration is  $\leq 1\%$  asbestos, are not considered to be ACM by OSHA. However, these materials are considered unclassified asbestos work per OSHA. Some OSHA work control practices and prohibitions will still apply, with the extent depending on whether the worker's exposure to airborne asbestos exceeds the OSHA permissible exposure limit (PEL).

Additional details of the OSHA asbestos regulations related to the construction industry can be found in 29 CFR part 1926.1101.

#### 5.1.4 QUANTIFICATION

Quantification of suspect ACMs was conducted using visual estimation by a licensed asbestos inspector. This visual estimation was performed in accordance with generally accepted practices in the asbestos industry based on materials that were accessible and exposed. These values are sufficiently accurate for the purpose of documenting the presence of asbestos within its space for the purpose of identifying abatement control conditions or for general policy considerations. Actual quantities may differ between visually estimated values and physical measurements. If a licensed asbestos abatement contractor is engaged to remove asbestos containing materials, the abatement contractor is responsible for verifying reported quantities of ACM.

## 5.2 LEAD BASED PAINT RESULTS

Four (4) paint chip samples were collected from the representative areas throughout the structure and analyzed for lead. The laboratory results were compared to the definition of lead-based paint as 0.5% lead. The table below provides a summary of the painted materials that were tested with the respective lead concentrations:

Painted Material	Sample Number	Lead Concentration by weight	Lab Reporting Limit by weight
Yellow Drywall Paint	LBP-01	<0.011%	0.011%
<b>Old Brick Mortar Paint</b>	<b>LBP-02</b>	<b>0.11%</b>	<b>0.010%</b>
White Drywall Paint	LBP-03	<0.012%	0.012%
Red Exterior Metal Paint	LBP-04	<0.010%	0.010%

One of the samples (Old Brick Mortar Paint) was found to contain detectable concentrations of lead below the HUD threshold. The HUD threshold of Lead-Based Paint (LBP) is the percentage greater than 0.5% by weight. Contractors must follow the OSHA construction standard for lead when disturbing materials that contain detectable concentrations of lead.

### 5.3 PCB CAULKING RESULTS

PCBs are synthetic chemicals that were placed into construction materials and electrical equipment prior to 1978. US EPA recognized that PCBs were common in various building materials, which may include caulking and glazing compounds. US EPA regulates removal and disposal of materials with PCB concentrations equal to or greater than 50 parts per million (ppm).

PSI collected four samples from materials suspected to contain PCBs. The samples are summarized in the table below.

Sample Number	Material Description/Location	Substrate	Analytical Result
PCB-01	Caulking (White) to seam of interior bathroom sink	Porcelain	0.99 ppm
PCB-02	Caulking (Brown) to old window frames, behind current hard walled windows. Exterior windows around entire building.	Wood	None-Detected
PCB-03	Caulking (Brown) to old window frames, on top of current hard walled windows. Exterior windows around entire building.	Wood	None-Detected
PCB- 04	Caulking (White) used on expansion joint in main entrance exterior vestibule.	Brick	1.7ppm

Based on the testing performed, No PCB-regulated building materials were identified for the structure. The interior bathroom sink caulking and the white caulking used on expansion joints on the brick exterior entrance contained concentrations of PCB below the regulatory threshold.

### 5.4 HAZARDOUS MATERIALS

PSI observed suspect hazardous materials at the structure. These are summarized in the table below.

Suspect Hazardous Material	Location	Area	Unit	Quantity
Fluorescent Bulbs	Interior	Throughout	4' Bulbs	50

PSI did not observe any mercury containing switches however if these materials are to be found at a later date should be treated as a hazardous material and appropriately removed prior to demolition.

\*Hazardous materials should be removed from buildings prior to demolition.

## **6 CONCLUSIONS & RECOMMENDATIONS**

### **6.1 CONCLUSIONS**

**Asbestos-containing materials (ACM) were found in the structure located at 1026 Crane Street, Schenectady, New York.**

**Assumed asbestos-containing materials (ACM) were found in the structure located at 1026 Crane Street, Schenectady, New York.**

**Trace asbestos containing materials (ACM) were found in the structure located at 1026 Crane Street, Schenectady, New York.**

### **6.2 ASBESTOS RECOMMENDATIONS**

Regulated ACM (RACM) must be properly removed by a licensed asbestos abatement contractor prior to renovations or demolition that would disturb the material. Federal, State and Local regulations and guidelines should be strictly adhered to when removing the ACM.

Category I & II Non-Friable asbestos containing material may often be left in place during demolition if not made friable by cutting, grinding or sanding. If left in place, these materials cannot be recycled or used as clean fill.

Materials verified to contain low concentrations of asbestos (trace to 1%) are not considered ACM, and are not regulated by the EPA; however, some OSHA regulations will still apply based on the employee's airborne exposure.

In addition, prior to any future maintenance, renovation or demolition activities, any assumed ACMs should be tested. Any areas that were noted as being inaccessible during this project, or any concealed areas, such as behind walls, where suspect ACMs are discovered, will require a survey for ACM.

Prior to the initiation of a project that would involve abatement, a detailed engineering cost estimate and project design is recommended. The engineering cost estimate will incorporate such variables as scheduling and phasing of the project, the size and extent of the project, seasonal factors, operational factors and other restrictions, respiratory protection, alternate abatement options, and type of replacement material. An engineering cost estimate would also include professional fees, such as for project design and management

### **6.1 LEAD CONTAINING PAINTS**

Contractors must follow the OSHA construction standard for lead when disturbing materials that contain detectable concentrations of lead. TCLP testing would be necessary to determine the disposal options for this material in the event of demolition.

## **6.2 PCB MATERIALS**

Based on the PCB concentrations for the materials tested at this building, no PCB regulated caulk materials were identified. Therefore, no further action with regard to PCBs is warranted for the suspect materials tested.

## **6.3 OTHER HAZARDOUS MATERIALS**

Other potential hazardous materials such as light ballasts should be removed and disposed of in accordance with current regulations.

## **TABLES**

**TABLE 1 – ASBESTOS CONTAINING MATERIALS – SAMPLED**

1026 Crane Street, Schenectady, NY 08212748

Survey Dates: January 11, 2018

Material # & sample #	Material Description	Material Location	F / NF <sup>1</sup>	Cond. <sup>2</sup>	% ACM & type <sup>3</sup>	EPA NESHAP Cat <sup>4</sup>	Est. Qty. <sup>5</sup>
01-01, 01-02, 01-03	Air-o-Cell Pipe Insulation	BF1, BF2	F	Poor	50% Ch	RACM	20 LF
18-37,18-38	Black Sink Basin Coating	1F3	NF	Fair	3.7% Ch	Cat II NF	6 SF
46-95, 46-96	White Exterior Caulk	Exterior Main Entrance North Side	NF	Fair	14% Ch	Cat II NF	20 LF
47-97, 47-98	Old Grey Flashing	Exterior, Main Roof Parapet Walls	NF	Poor	16% Ch	Cat II NF	30 LF
49-101, 49-102	Bottom Layer Vapor Barrier (Roof Layer 4)	Exterior Main Roof	NF	Fair	1.3% Ch	Cat II NF	1400 SF
50-103, 50-104	Black Tar Layer (Roof Layer 3)	Exterior Main Roof	NF	Fair	12% Ch	Cat II NF	1400 SF
N/A	Vermiculite Attic Insulation	Attic Perimeter Walls	F	Fair	N/A	RACM	300 SF

1 F = Friable; NF = Non-friable

2 Cond. = Condition Of Materials Either good, dam = damaged, sig. dam. = significant damage

3 NAD = No Asbestos Detected, Ch = Chrysotile, Am = Amosite, An = Anthophyllite, PT = Point Count Analysis

4 NESHAP Category – Regulated ACM (RACM), Cat I NF=Category I Non-Friable ACBM, Cat II NF= Category II Non-Friable ACBM

5 SF = Square Feet, LF = Linear Feet

**TABLE 2 – ASSUMED ASBESTOS CONTAINING MATERIALS – SAMPLED**

**1026 Crane Street, Schenectady, NY 08212748**

**Survey Dates: January 11, 2018**

<b>Material Description</b>	<b>Material Location</b>	<b>F / NF<sup>1</sup></b>	<b>Cond.<sup>2</sup></b>	<b>EPA NESHAP Cat<sup>4</sup></b>	<b>Est. Qty.<sup>5</sup></b>
<b>Vibration Dampening Cloth</b>	<b>Attic on HVAC unit</b>	<b>NF</b>	<b>Fair</b>	<b>Cat II NF</b>	<b>12 SF</b>

1 F = Friable; NF = Non-friable

2 Cond. = Condition Of Materials Either good, dam = damaged, sig. dam. = significant damage

3 NAD = No Asbestos Detected, Ch = Chrysotile, Am = Amosite, An = Anthophyllite, PT = Point Count Analysis

4 NESHAP Category – Regulated ACM (RACM), Cat I NF=Category I Non-Friable ACBM, Cat II NF= Category II Non-Friable ACBM

5 SF = Square Feet, LF = Linear Feet

**APPENDIX A – REPORT OF BULK SAMPLE ANALYSIS FOR  
ASBESTOS**



Intertek-PSI  
104 Erie Boulevard  
Schenectady, New York 12305

Tel +1 518-377-9841  
Fax +1 518-377-9847  
intertek.com/building

### Report of Bulk Sample Analysis for Asbestos by Polarized Light Microscopy

Client: County of Schenectady  
612 State Street  
Schenectady, NY 12305

Project: 08212748  
1026 Crane Street  
Demo Survey

Attn: Donald Scheuer

Report #: B008

Date: 1/25/2018

Serial Number	Sample ID Number / Material Description	Homo	Layers	Fibrous	Color	Asbestos Present	Total Asb.	ASBESTOS					NON-ASBESTOS				
								Chry.	Amo.	Cro.	Ant.	Act /Tre	Glass Fibers	Cell	Syn	Non-Fibrous Material	
180112B	01-01 Air-O-Cell	YES	NO	YES	TAN	YES	50%	50%							35%		15%
180113B	01-02 Air-O-Cell	NOT ANALYZED, STOP AT FIRST POSITIVE															
180114B	01-03 Air-O-Cell	NOT ANALYZED, STOP AT FIRST POSITIVE															
180115B	02-04 Air-O-Cell Pipe Wrap	YES	NO	YES	BEIGE	YES	Trace <1%	Trace <1%							95%		4%
180116B	02-05 Air-O-Cell Pipe Wrap	YES	NO	YES	BEIGE	YES	Trace <1%	Trace <1%							95%		4%
180117B	02-06 Air-O-Cell Pipe Wrap	YES	NO	YES	BEIGE	YES	Trace <1%	Trace <1%							95%		4%

N/D = None Detected

\*Quantitation is based on a determination of the relative volume of bulk sample components. The results are valid only for the items tested. This report may not be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government. Methods Used: E.P.A. Interim Method for the Determination of Asbestos in Bulk Insulation Samples EPA/600/M4/82/020 and NYELAP Item #198.1 Polarized Light Microscopy for Identifying and Quantitating Asbestos in Friable Bulk samples (Non-Friable materials according to ELAP Item #198.6, 2005). Polarized Light Microscopy is not consistently reliable in detecting asbestos in floor covering and similar non-friable organically bound materials. Quantitative Transmission Electron Microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-ACM. Samples will be disposed of within 60 days unless otherwise notified in writing by client. No part of this report may be reproduced except in full without the written permission of PSI. The reporting limit is 1% by weight.

\*According to NYSDOH ELAP, all loose bulk Vermiculite material must be designated and treated as ACM as there is currently no approved method to reliably confirm such vermiculite material as non-ACM. Vermiculite found in other materials may be analyzed according to NYELAP Item # 198.1 or 198.6, however, this method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing greater than 10% vermiculite.

ANALYST: Jenny Scholl

Respectfully submitted,

SAMPLED BY: Alexander Navratil / Krzysztof Szafranski

  
PROFESSIONAL SERVICE INDUSTRIES, INC.

ELAP #10849





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								Chry.	Amo.	Cro.	Ant.	Act /Tre	Glass Fibers	Cell	Syn	Non-Fibrous Material		
180118B	03-07 Terrazo Flooring	YES	NO	NO	GRAY	N/D	N/D										100%	
180119B	03-08 Terrazo Flooring	YES	NO	NO	GRAY	N/D	N/D								<1%		99%	
180120B	04-09 Terrazo Flooring Mortar	YES	NO	NO	GRAY	N/D	N/D										100%	
180121B	04-10 Terrazo Flooring Mortar	YES	NO	NO	GRAY	N/D	N/D										100%	
180122B	05-11 Birdtrack Ceiling Tile 2x4	YES	NO	YES	BEIGE	N/D	N/D	INCONCLUSIVE								20%		80%
180123B	05-12 Birdtrack Ceiling Tile 2x5	YES	NO	YES	BEIGE	N/D	N/D	INCONCLUSIVE								20%		80%

N/D = None Detected

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ANALYST: Jenny Scholl

Respectfully submitted,

SAMPLED BY: Alexander Navratil / Krzysztof Szafarski

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								Chry.	Amo.	Cro.	Ant.	Act /Tre	Glass Fibers	Cell	Syn	Non-Fibrous Material
180124B	06-13 2x4 Wormtrack Ceiling Tile	YES	NO	NO	BEIGE	N/D	N/D	INCONCLUSIVE								100%
180125B	06-14 2x4 Wormtrack Ceiling Tile	YES	NO	NO	BEIGE	N/D	N/D	INCONCLUSIVE								100%
180126B	08-17 Drywall	YES	NO	YES	TAN	N/D	N/D								5%	95%
180127B	08-18 Drywall	YES	NO	YES	TAN	N/D	N/D								5%	95%
180128B	09-19 Joint compound	YES	NO	NO	WHITE	N/D	N/D								1%	99%
180129B	09-20 Joint Compound	YES	NO	NO	WHITE	N/D	N/D								<1%	99%

N/D = None Detected

\*Quantitation is based on a determination of the relative volume of bulk sample components. The results are valid only for the items tested. This report may not be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government. Methods Used: E.P.A. Interim Method for the Determination of Asbestos in Bulk Insulation Samples EPA/600/M4/82/020 and NYELAP Item #198.1 Polarized Light Microscopy for Identifying and Quantitating Asbestos in Friable Bulk samples (Non-Friable materials according to ELAP Item #198.6, 2005). Polarized Light Microscopy is not consistently reliable in detecting asbestos in floor covering and similar non-friable organically bound materials. Quantitative Transmission Electron Microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-ACM. Samples will be disposed of within 60 days unless otherwise notified in writing by client. No part of this report may be reproduced except in full without the written permission of PSI. The reporting limit is 1% by weight.

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								Chry.	Amo.	Cro.	Ant.	Act /Tre	Glass Fibers	Cell	Syn
180130B	10-21 Drywall Patch	YES	NO	NO	WHITE	N/D	N/D							1%	99%
180131B	10-22 Drywall Patch	YES	NO	NO	WHITE	N/D	N/D							1%	99%
180132B	11-23 Carpet Adhesive	YES	NO	NO	YELLOW	N/D	N/D							<1%	99%
180133B	11-24 Carpet Adhesive	YES	NO	NO	YELLOW	N/D	N/D							<1%	99%
180134B	12-25 Gray Leveling Compound	YES	NO	NO	GRAY	N/D	N/D	INCONCLUSIVE							100%
180135B	12-26 Gray Leveling Compound	YES	NO	NO	GRAY	N/D	N/D	INCONCLUSIVE							100%

N/D = None Detected

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ANALYST: Jenny Scholl

Respectfully submitted,

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### Report of Bulk Sample Analysis for Asbestos by Polarized Light Microscopy

Client: County of Schenectady  
 612 State Street  
 Schenectady, NY 12305

Project: 08212748  
 1026 Crane Street  
 Demo Survey

Attn: Donald Scheuer

Report #: B008

Date: 1/25/2018

Serial Number	Sample ID Number / Material Description	Homo	Layers	Fibrous	Color	Asbestos Present	Total Asb.	ASBESTOS					NON-ASBESTOS			
								Chry.	Amo.	Cro.	Ant.	Act /Tre	Glass Fibers	Cell	Syn	Non-Fibrous Material
180136B	13-27 Granite Linoleum Flooring	YES	NO	YES	GRAY	N/D	N/D	INCONCLUSIVE					20%			80%
180137B	13-28 Granite Linoleum Flooring	YES	NO	YES	GRAY	N/D	N/D	INCONCLUSIVE					20%			80%
180138B	14-29 Granite Linoleum Flooring Adhesive	YES	NO	NO	GRAY	N/D	N/D	INCONCLUSIVE								100%
180139B	14-30 Granite Linoleum Flooring Adhesive	YES	NO	NO	GRAY	N/D	N/D	INCONCLUSIVE								100%
180140B	15-31 White Sink Caulk	YES	NO	NO	WHITE	N/D	N/D	INCONCLUSIVE								100%
180141B	15-32 White Sink Caulk	YES	NO	NO	WHITE	N/D	N/D	INCONCLUSIVE								100%

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Report #: B008

Date: 1/25/2018

Serial Number	Sample ID Number / Material Description	Homo	Layers	Fibrous	Color	Asbestos Present	Total Asb.	ASBESTOS				NON-ASBESTOS				
								Chry.	Amo.	Cro.	Ant.	Act /Tre	Glass Fibers	Cell	Syn	Non-Fibrous Material
180142B	16-33 12x12 Beige Floor Tile	YES	NO	NO	BEIGE	N/D	N/D									100%
180143B	16-34 12x12 Beige Floor Tile	YES	NO	NO	BEIGE	N/D	N/D									100%
180144B	17-35 12x12 Beige Floor Tile Adhesive	YES	NO	NO	YELLOW	N/D	N/D						<1%			99%
180145B	17-36 12x12 Beige Floor Tile Adhesive	YES	NO	NO	YELLOW	N/D	N/D						<1%			99%
180146B	18-37 Black Sink Basin Coating	YES	NO	NO	BLACK	YES	Trace <1%	Trace <1%								99%
180147B	18-38 Black Sink Basin Coating	YES	NO	NO	BLACK	YES	Trace <1%	Trace <1%								99%

N/D = None Detected

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612 State Street  
Schenectady, NY 12305

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1026 Crane Street  
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Report #: B008

Serial Number	Sample ID Number / Material Description	Homo	Layers	Fibrous	Color	Asbestos Present	Total Asb.	ASBESTOS					NON-ASBESTOS			
								Chry.	Amo.	Cro.	Ant.	Act /Tre	Glass Fibers	Cell	Syn	Non-Fibrous Material
180148B	21-43 2x4 Textured Ceiling Tile Paper	YES	NO	YES	WHITE	N/D	N/D	INCONCLUSIVE					30%			70%
180149B	21-44 2x4 Textured Ceiling Tile Paper	YES	NO	YES	WHITE	N/D	N/D	INCONCLUSIVE					30%			70%
180150B	22-45 White Paneling Adhesive	YES	NO	NO	YELLOW	N/D	N/D	INCONCLUSIVE								100%
180151B	22-46 White Paneling Adhesive	YES	NO	NO	YELLOW	N/D	N/D	INCONCLUSIVE								100%
180152B	23-47 Tin Ceiling Black Vapor Barrier	YES	NO	YES	BLACK	N/D	N/D	INCONCLUSIVE					2%		2%	96%
180153B	23-48 Tin Ceiling Black Vapor Barrier	YES	NO	YES	BLACK	N/D	N/D	INCONCLUSIVE					2%		2%	96%

N/D = None Detected

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### Report of Bulk Sample Analysis for Asbestos by Polarized Light Microscopy

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 Schenectady, NY 12305

Project: 08212748  
 1026 Crane Street  
 Demo Survey

Attn: Donald Scheuer

Report #: B008

Date: 1/25/2018

Serial Number	Sample ID Number / Material Description	Homo	Layers	Fibrous	Color	Asbestos Present	Total Asb.	ASBESTOS					NON-ASBESTOS			
								Chry.	Amo.	Cro.	Ant.	Act /Tre	Glass Fibers	Cell	Syn	Non-Fibrous Material
180154B	24-49 Batt Insulation Pink Paper	YES	NO	YES	TAN & BLACK	N/D	N/D	INCONCLUSIVE					80%			20%
180155B	24-50 Batt Insulation Paper Pink	YES	NO	YES	TAN & BLACK	N/D	N/D	INCONCLUSIVE					80%			20%
180156B	25-51 White HVAC Sealant	YES	NO	NO	WHITE	N/D	N/D	INCONCLUSIVE								100%
180157B	25-52 White HVAC Sealant	YES	NO	NO	WHITE	N/D	N/D	INCONCLUSIVE								100%
180158B	26-53 Brick Mortar	YES	NO	NO	BEIGE	N/D	N/D								<1%	99%
180159B	26-54 Brick Mortar	YES	NO	NO	GRAY	N/D	N/D								<1%	99%

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**Report of Bulk Sample Analysis for Asbestos  
 by Polarized Light Microscopy**

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Date: 1/25/2018

Serial Number	Sample ID Number / Material Description	Homo	Layers	Fibrous	Color	Asbestos Present	Total Asb.	ASBESTOS					NON-ASBESTOS			
								Chry.	Amo.	Cro.	Ant.	Act /Tre	Glass Fibers	Cell	Syn	Non-Fibrous Material
180160B	27-55 Wood Black Vapor Barrier	YES	NO	NO	BLACK	N/D	N/D	INCONCLUSIVE								100%
180161B	27-56 Wood Black Vapor Barrier	YES	NO	NO	BLACK	N/D	N/D	INCONCLUSIVE								100%
180162B	28-57 White Wall Patch	YES	NO	NO	WHITE	N/D	N/D								<1%	99%
180163B	28-58 White Wall Patch	YES	NO	NO	WHITE	N/D	N/D								<1%	99%
180164B	29-59 Block Mortar	YES	NO	NO	GRAY	N/D	N/D									100%
180165B	29-60 Block Mortar	YES	NO	NO	GRAY	N/D	N/D									100%

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### Report of Bulk Sample Analysis for Asbestos by Polarized Light Microscopy

Client: County of Schenectady  
 612 State Street  
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Project: 08212748  
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Report #: B008

Date: 1/25/2018

Serial Number	Sample ID Number / Material Description	Homo	Layers	Fibrous	Color	Asbestos Present	Total Asb.	ASBESTOS					NON-ASBESTOS				
								Chry.	Amo.	Cro.	Ant.	Act /Tre	Glass Fibers	Cell	Hair	Non-Fibrous Material	
180166B	31-64 Residual Weaved Wrapping	YES	NO	YES	BROWN	N/D	N/D								75%	1%	24%
180167B	31-65 Residual Weaved Wrapping	YES	NO	YES	BROWN	N/D	N/D							1%	75%	1%	23%
180168B	31-66 Residual Weaved Wrapping	YES	NO	YES	BROWN	N/D	N/D								75%	5%	20%
180169B	32-67 Old Ceiling Paper	YES	NO	YES	TAN	N/D	N/D								85%		15%
180170B	32-68 Old Ceiling Paper	YES	NO	YES	TAN	N/D	N/D								85%		15%
180171B	33-69 Old Drywall	YES	NO	YES	GRAY	N/D	N/D							<1%	4%		95%

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 612 State Street  
 Schenectady, NY 12305

Page 11 of 18  
 Project: 08212748  
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Serial Number	Sample ID Number / Material Description	Homo	Layers	Fibrous	Color	Asbestos Present	Total Asb.	ASBESTOS					NON-ASBESTOS			
								Chry.	Amo.	Cro.	Ant.	Act /Tre	Glass Fibers	Cell	Woll	Non-Fibrous Material
180172B	33-70 Old Drywall	YES	NO	YES	GRAY	N/D	N/D							2%	98%	
180173B	34-71 Gray Cove Base	YES	NO	NO	GRAY	*REDUCED, NO FURTHER ANALYSIS PER 198.6										
180174B	34-72 Gray Cove Base	YES	NO	NO	GRAY	*REDUCED, NO FURTHER ANALYSIS PER 198.6										
180175B	35-73 Brown Cove Base	YES	NO	NO	BROWN	N/D	N/D	INCONCLUSIVE							2%	98%
180176B	35-74 Brown Cove Base	YES	NO	NO	BROWN	N/D	N/D	INCONCLUSIVE								100%
180177B	36-75 Black Cove Base	YES	NO	NO	BLACK	N/D	N/D	INCONCLUSIVE								100%

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								Chry.	Amo.	Cro.	Ant.	Act /Tre	Glass Fibers	Cell	Syn	Non-Fibrous Material
180178B	37-76 Black Cove Base	YES	NO	NO	BLACK	N/D	N/D	INCONCLUSIVE								100%
180179B	37-77 Red Cove Base	YES	NO	NO	RED	*REDUCED, NO FURTHER ANALYSIS PER 198.6										
180180B	37-78 Red Cove Base	YES	NO	NO	RED	*REDUCED, NO FURTHER ANALYSIS PER 198.6										
180181B	38-79 Yellow Cove Base Adhesive	YES	NO	NO	YELLOW	N/D	N/D	INCONCLUSIVE								100%
180182B	38-80 Yellow Cove Base Adhesive	YES	NO	NO	YELLOW	N/D	N/D	INCONCLUSIVE								100%
180183B	39-81 Tan Cove Base Adhesive	YES	NO	NO	BEIGE	N/D	N/D	INCONCLUSIVE								100%

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								Chry.	Amo.	Cro.	Ant.	Act /Tre	Glass Fibers	Cell	Syn
180184B	39-82 Tan Cove Base Adhesive	YES	NO	NO	BEIGE			*REDUCED, NO FURTHER ANALYSIS PER 198.6							
180185B	40-83 Light Brown Cove Base	YES	NO	NO	TAN	N/D	N/D	INCONCLUSIVE							100%
180186B	40-84 Light Brown Cove Base	YES	NO	NO	TAN	N/D	N/D	INCONCLUSIVE							100%
180187B	41-85 12x12 Purple Floor tile	YES	NO	NO	PURPLE	N/D	N/D	INCONCLUSIVE							100%
180188B	41-86 12x12 Purple Floor Tile	YES	NO	NO	PURPLE	N/D	N/D	INCONCLUSIVE							100%
180189B	42-87 12x12 Purple Floor Tile Adhesive	YES	NO	NO	YELLOW	N/D	N/D	INCONCLUSIVE							100%

N/D = None Detected

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ANALYST: Jenny Scholl

Respectfully submitted,

SAMPLED BY: Alexander Navratil / Krzysztof Szafranski

PROFESSIONAL SERVICE INDUSTRIES, INC.

ELAP #10849





Intertek-PSI  
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Schenectady, New York 12305

Tel +1 518-377-9841  
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intertek.com/building

### Report of Bulk Sample Analysis for Asbestos by Polarized Light Microscopy

Client: County of Schenectady  
612 State Street  
Schenectady, NY 12305

Page 14 of 18  
Project: 08212748  
1026 Crane Street  
Demo Survey

Attn: Donald Scheuer

Report #: B008

Date: 1/25/2018

Serial Number	Sample ID Number / Material Description	Homo	Layers	Fibrous	Color	Asbestos Present	Total Asb.	ASBESTOS				NON-ASBESTOS			
								Chry.	Amo.	Cro.	Ant.	Act /Tre	Glass Fibers	Cell	Syn
180190B	42-88 12x12 Purple Floor Tile Adhesive	YES	NO	NO	YELLOW	N/D	N/D	INCONCLUSIVE							100%
180191B	43-89 Old Window Caulk	YES	NO	NO	RED & BROWN	N/D	N/D	INCONCLUSIVE							100%
180192B	43-90 Old Window Caulk	YES	NO	NO	RED & BROWN	N/D	N/D	INCONCLUSIVE							100%
180193B	44-91 New Window Caulk	YES	NO	NO	BROWN	N/D	N/D	INCONCLUSIVE							100%
180194B	44-92 New Window Caulk	YES	NO	NO	BROWN	N/D	N/D	INCONCLUSIVE							100%
180195B	45-93 Silver Vapor Barrier	YES	NO	NO	SILVER	N/D	N/D	INCONCLUSIVE							100%

N/D = None Detected

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### Report of Bulk Sample Analysis for Asbestos by Polarized Light Microscopy

Client: County of Schenectady  
 612 State Street  
 Schenectady, NY 12305

Page 15 of 18  
 Project: 08212748  
 1026 Crane Street  
 Demo Survey

Attn: Donald Scheuer

Report #: B008

Date: 1/25/2018

Serial Number	Sample ID Number / Material Description	Homo	Layers	Fibrous	Color	Asbestos Present	Total Asb.	ASBESTOS					NON-ASBESTOS			
								Chry.	Amo.	Cro.	Ant.	Act /Tre	Glass Fibers	Cell	Syn	Non-Fibrous Material
180196B	45-94 Silver Vapor Barrier	YES	NO	NO	SILVER	N/D	N/D	INCONCLUSIVE								100%
180197B	46-95 White Exterior Caulk	YES	NO	YES	BEIGE	YES	14%	14%								86%
180198B	46-96 White Exterior Caulk	NOT ANALYZED, STOP AT FIRST POSITIVE														
180199B	47-97 Old Gray Flashing	YES	NO	NO	GRAY	N/D	N/D	INCONCLUSIVE								100%
180200B	47-98 Old Gray Flashing	YES	NO	YES	GRAY	YES	16%	16%								84%
180201B	48-99 Black Roof Sealant	YES	NO	NO	BLACK	N/D	N/D	INCONCLUSIVE								100%

N/D = None Detected

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### Report of Bulk Sample Analysis for Asbestos by Polarized Light Microscopy

Client: County of Schenectady  
612 State Street  
Schenectady, NY 12305

Page 16 of 18  
Project: 08212748  
1026 Crane Street  
Demo Survey

Attn: Donald Scheuer

Report #: B008

Date: 1/25/2018

Serial Number	Sample ID Number / Material Description	Homo	Layers	Fibrous	Color	Asbestos Present	Total Asb.	ASBESTOS					NON-ASBESTOS				
								Chry.	Amo.	Cro.	Ant.	Act /Tre	Glass Fibers	Cell	Syn	Non-Fibrous Material	
180202B	48-100 Black Roof Sealant	YES	NO	NO	BLACK	N/D	N/D	INCONCLUSIVE								100%	
180203B	49-101 Bottom Layer Vapor Barrier	YES	NO	YES	BLACK	YES	1.3%	1.3%									98.7%
180204B	49-102 Bottom Layer Vapor Barrier	NOT ANALYZED, STOP AT FIRST POSITIVE															
180205B	50-103 Black Tar Layer	YES	NO	YES	BLACK	YES	12%	12%									88%
180206B	50-104 Black Tar Layer	NOT ANALYZED, STOP AT FIRST POSITIVE															
180207B	51-105 L1, Fiberboard with Vapor Barrier, Layer 1 - Fiberboard	YES	NO	YES	TAN	N/D	N/D									99%	1%

N/D = None Detected

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### Report of Bulk Sample Analysis for Asbestos by Polarized Light Microscopy

Client: County of Schenectady  
612 State Street  
Schenectady, NY 12305

Project: 08212748  
1026 Crane Street  
Demo Survey

Attn: Donald Scheuer

Report #: B008

Date: 1/25/2018

Serial Number	Sample ID Number / Material Description	Homo	Layers	Fibrous	Color	Asbestos Present	Total Asb.	ASBESTOS					NON-ASBESTOS			
								Chry.	Amo.	Cro.	Ant.	Act /Tre	Glass Fibers	Cell	Syn	Non-Fibrous Material
180207B	51-105 L2, Fiberboard with Vapor Barrier, Layer 2 - Vapor Barrier	YES	NO	NO	BLACK	N/D	N/D	INCONCLUSIVE								100%
180208B	51-106 L1, Fiberboard with Vapor Barrier, Layer 1 - Fiberboard	YES	NO	YES	TAN	N/D	N/D							99%		1%
180208B	51-106 L2, Fiberboard with Vapor Barrier, Layer 2 - Vapor Barrier	YES	NO	NO	BLACK	N/D	N/D	INCONCLUSIVE								100%
180209B	52-107 Rubber Roof Yellow Adhesive	YES	NO	NO	TAN	N/D	N/D	INCONCLUSIVE								100%
180210B	52-108 Rubber Roof Yellow Adhesive	YES	NO	NO	TAN	N/D	N/D	INCONCLUSIVE								100%
180211B	53-109 New Drywall	YES	NO	YES	WHITE	N/D	N/D						4%	1%		95%

N/D = None Detected

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### Report of Bulk Sample Analysis for Asbestos by Polarized Light Microscopy

Client: County of Schenectady  
 612 State Street  
 Schenectady, NY 12305

Project: 08212748  
 1026 Crane Street  
 Demo Survey

Attn: Donald Scheuer

Report #: B008

Date: 1/25/2018

Serial Number	Sample ID Number / Material Description	Homo	Layers	Fibrous	Color	Asbestos Present	Total Asb.	ASBESTOS					NON-ASBESTOS				
								Chry.	Amo.	Cro.	Ant.	Act /Tre	Glass Fibers	Cell	Syn	Non-Fibrous Material	
180212B	53-110 New Drywall	YES	NO	YES	WHITE	N/D	N/D							4%	1%		95%

N/D = None Detected

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ANALYST: Jenny Scholl

Respectfully submitted,

SAMPLED BY: Alexander Navratil / Krzysztof Szafranski

PROFESSIONAL SERVICE INDUSTRIES, INC.

ELAP #10849



Standard test

1 of 10



CHAIN OF CUSTODY SHEET

Client: County of Schenectady  
 Attn: Donald Scheuer  
 Address: 612 State Street  
Schenectady, New York, 12305

Project Number: 082127485 PLM-31  
 Report Number: 3008 NOB-62  
 Date Delivered: TEM-57  
 Package Shipped From: Prep-608 (32)

Project Name: 1026 Crane Street Demo Survey  
 Project Location (STATE): NY

Carrier: \_\_\_\_\_  
 Number Collected: 101  
 Number Received: \_\_\_\_\_  
 Date Sampled: 1/11/18

Condition of Custody Seal on Receipt: \_\_\_\_\_  
 Condition of Package on receipt: \_\_\_\_\_  
 Shipping Manifest Attached: \_\_\_\_\_ Shipped Bill Retained: \_\_\_\_\_

Laboratory ID	Sample ID	Other ID	Location	Sample Type	Other
180112B	01-01	PLM	BF1 - North wall center ceiling	Air-o-cell	Chrysotile 50%
180113B	01-02	-	BF2 - North wall by entrance to BF1	Air-o-cell	-
180114B	01-03	-	BF1 - North wall center	Air-o-cell	-
180115B	02-04	PLM	BF1 - North wall center	Air-o-cell pipe wrap	Chrysotile <1%
180116B	02-05	PLM	BF1 - North wall center	Air-o-cell pipe wrap	Chrysotile <1%
180117B	02-06	PLM	BF1 - North wall center	Air-o-cell pipe wrap	Chrysotile <1%
180118B	03-07	PLM	1F2 - In front of main clerk desk	Terrazo flooring	ND
180119B	03-08	PLM	1F2 - In front of main clerk desk	Terrazo flooring	ND
180120B	04-09	PLM	1F2 - In front of main clerk desk	Terrazo flooring mortar	ND
180121B	04-10	PLM	1F2 - In front of main clerk desk	<del>Terrazo flooring mortar</del> ceiling tile 2x4	ND
180122B	05-11	NOBTEM	1F-5 - NW corner ceiling	Bird track ceiling tile 2x4	NDINC
180123B	05-12	NOBTEM	1F-2 10ft from N wall 20ft from W wall	Bird track ceiling tile 2x4	NDINC

Sampled By: Alexander T. Navratil/Krzysztof Szafranski  
 Relinquish Signature Chain of Custody: [Signature] Date: 1/12/18  
 Signature of Chain of Custody Recipient: [Signature] Date: 1/15/18  
 Disposition of Samples: 60 days  
 Report Routing: \_\_\_\_\_  
 Draft to: \_\_\_\_\_  
 Draft Due: \_\_\_\_\_  
 Final Report To: \_\_\_\_\_

\* NOTE: if the package has sustained substantial damage or the custody seal is broken, stop and contact the project manager and shipper.



CHAIN OF CUSTODY SHEET

Client: County of Schenectady  
 Attn: Donald Scheuer  
 Address: 612 State Street  
Schenectady, New York, 12305

Project Number: 08212748  
08212748  
 Report Number: 13008  
 Date Delivered: \_\_\_\_\_  
 Package Shipped From: \_\_\_\_\_  
 Carrier: \_\_\_\_\_  
 Number Collected: 101  
 Number Received: \_\_\_\_\_  
 Date Sampled: 1/11/18

Project Name: 1026 Crane Street Demo Survey  
 Project Location (STATE): NY

Condition of Custody Seal on Receipt: \_\_\_\_\_  
 Condition of Package on receipt: \_\_\_\_\_  
 Shipping Manifest Attached: \_\_\_\_\_ Shipped Bill Retained: \_\_\_\_\_

Laboratory ID	Sample ID	Other ID	Location	Sample Type	Other
180124B	06-13	NOBTEM	1F2- 10ft from N wall 20 ft from W wall	2x4 worm track ceiling tile	NDINC
180125B	06-14	NOBTEM	1F2- 10ft from N wall 20ft from W wall	2x4 worm track ceiling tile	NDINC
	07-15		<del>_____</del>	<del>Black window caulk</del>	
	07-16		<del>_____</del>	<del>Black window caulk</del>	
180126B	08-17	PLM	1F3-NW corner above drop ceiling	Dry wall	ND
180127B	08-18	PLM	1F-3 Threshold to basement stairs 1F-5-NW corner above drop ceiling	Dry wall	ND
180128B	09-19	PLM	1F5-NW corner above drop ceiling	Joint compound	ND
180129B	09-20	PLM	1F-3 Threshold to basement stairs	Joint compound	ND
180130B	10-21	PLM	1F2- south wall of computer lab area 20ft from W wall	Drywall patch	ND
180131B	10-22	PLM	1F2 south wall of computer lab area 20ft from W wall	Drywall patch	ND
180132B	11-23	NOBTEM	1F2- W wall 15ft from S wall	Carpet adhesive	NDINC
180133B	11-24	NOBTEM	1F3 - E wall 10 ft from N wall	Carpet adhesive	NDINC

Sampled By: Alexander T. Navratil/Krzysztof Szafranski  
 Relinquish Signature Chain of Custody: [Signature] Date: 1/12/18  
 Signature of Chain of Custody Recipient: [Signature] Date: 1/15/18  
 Disposition of Samples: 60 days  
 Report Routing: \_\_\_\_\_  
 Draft to: \_\_\_\_\_  
 Draft Due: \_\_\_\_\_  
 Final Report To: \_\_\_\_\_

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CHAIN OF CUSTODY SHEET

Client: County of Schenectady  
 Attn: Donald Scheuer  
 Address: 612 State Street  
Schenectady, New York, 12305

Project Number: 08218748  
 Report Number: 08218746  
 Date Delivered: 3008  
 Package Shipped From: \_\_\_\_\_

Project Name: 1026 Crane Street Demo Survey  
 Project Location (STATE): NY

Carrier: \_\_\_\_\_  
 Number Collected: 101  
 Number Received: \_\_\_\_\_  
 Date Sampled: 1/11/18

Condition of Custody Seal on Receipt: \_\_\_\_\_  
 Condition of Package on receipt: \_\_\_\_\_  
 Shipping Manifest Attached: \_\_\_\_\_ Shipped Bill Retained: \_\_\_\_\_

Laboratory ID	Sample ID	Other ID	Location	Sample Type	Other
180134B	12-25	NOBTEM	1F-2 - 15ft from N wall 15ft from E wall	Grey leveling compound	NDINC
180135B	12-26	NOBTEM	1F-2 - 15ft from N wall 15ft from E wall	Grey leveling compound	NDINC
180136B	13-27	NOBTEM	1F-5 NE corner	granite linoleum flooring	NDINC
180137B	13-28	NOBTEM	1F5 - NE corner	granite linoleum flooring	NDINC
180138B	14-29	NOBTEM	1F4 NE corner	granite linoleum flooring adhesive	NDINC
180139B	14-30	NOBTEM	1F4 - NE corner	granite linoleum flooring adhesive	NDINC
180140B	15-31	NOBTEM	1F-5 S wall sink	White sink caulk	NDINC
180141B	15-32	NOBTEM	1F-5 S wall sink	White sink caulk	NDINC
180142B	16-33	NOBTEM	1F3 - Threshold to Rm 1F7	12x12 Beige floor tile	NDINC
180143B	16-34	NOBTEM	1F-3 W wall corner north of 1F6	12x12 Beige floor tile	NDINC
180144B	17-35	NOBTEM	1F-3 W wall corner north of 1F6	12x12 Beige floor tile adhesive	NDINC
180145B	17-36	NOBTEM	1F-3 W wall corner north of 1F6	12x12 Beige floor tile adhesive	NDINC

Sampled By: Alexander T. Navratil/Krzysztof Szafranski  
 Relinquish Signature Chain of Custody: [Signature] Date: 1/12/18  
 Signature of Chain of Custody Recipient: [Signature] Date: 1/15/18  
 Disposition of Samples: 60 days

Report Routing:  
 Draft to: \_\_\_\_\_  
 Draft Due: \_\_\_\_\_  
 Final Report To: \_\_\_\_\_

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CHAIN OF CUSTODY SHEET

08212748

Client: County of Schenectady  
 Attn: Donald Scheuer  
 Address: 612 State Street  
Schenectady, New York, 12305

Project Number: 08212746  
 Report Number: 3008  
 Date Delivered: \_\_\_\_\_  
 Package Shipped From: \_\_\_\_\_

Project Name: 1026 Crane Street Demo Survey  
 Project Location (STATE): NY

Carrier: \_\_\_\_\_  
 Number Collected: 107  
 Number Received: \_\_\_\_\_  
 Date Sampled: 1/11/18

Condition of Custody Seal on Receipt: \_\_\_\_\_  
 Condition of Package on receipt: \_\_\_\_\_  
 Shipping Manifest Attached: \_\_\_\_\_ Shipped Bill Retained: \_\_\_\_\_

Laboratory ID	Sample ID	Other ID	Location	Sample Type	Other
180146B	18-37	NOBTEM	1F-3 W wall under sink	Black sink basin coating	Chrysotile <1% INC
180147B	18-38	NOBTEM	1F-3 W wall under sink	Black sink basin coating	Chrysotile <1% INC
	19-39		<del>1F-7 <sup>AN</sup> corner</del>	<del>12x12 grey floor tile</del>	
	19-40		<del>(AN)</del>	<del>12x12 grey floor tile</del>	
	20-41		<del>1F-7 NE corner (AN)</del>	<del>12x12 grey floor tile adhesive</del>	
	20-42			<del>12x12 grey floor tile adhesive</del>	
180148B	21-43	NOBTEM	1F8 - NW corner ceiling	2x4 textured ceiling tile paper	NDINC
180149B	21-44	NOBTEM	1F8 - NW corner ceiling	2x4 textured ceiling tile paper	NDINC
180150B	22-45	NOBTEM	1F7 - W wall center	white paneling adhesive	NDINC
180151B	22-46	NOBTEM	1F7 - W wall center	white paneling adhesive	NDINC
180152B	23-47	NOBTEM	1F-5 NW corner above drop ceiling	Tin ceiling Black vapor barrier	NDINC
180153B	23-48	NOBTEM	1F-8 Ceiling center	Tin ceiling Black vapor barrier	NDINC

Sampled By: Alexander T. Navratil/Krzysztof Szafranski  
 Relinquish Signature Chain of Custody: [Signature] Date: 1/12/18  
 Signature of Chain of Custody Recipient: [Signature] Date: 1/15/18  
 Disposition of Samples: 60 days  
 Report Routing: \_\_\_\_\_  
 Draft to: \_\_\_\_\_  
 Draft Due: \_\_\_\_\_  
 Final Report To: \_\_\_\_\_

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CHAIN OF CUSTODY SHEET

Client: County of Schenectady  
 Attn: Donald Scheuer  
 Address: 612 State Street  
Schenectady, New York, 12305

Project Number: 08212746  
 Report Number: BC08  
 Date Delivered: \_\_\_\_\_  
 Package Shipped From: \_\_\_\_\_

Project Name: 1026 Crane Street Demo Survey  
 Project Location (STATE): NY

Carrier: \_\_\_\_\_  
 Number Collected: 101  
 Number Received: \_\_\_\_\_  
 Date Sampled: 1/11/18

Condition of Custody Seal on Receipt: \_\_\_\_\_  
 Condition of Package on receipt: \_\_\_\_\_  
 Shipping Manifest Attached: \_\_\_\_\_ Shipped Bill Retained: \_\_\_\_\_

Laboratory ID	Sample ID	Other ID	Location	Sample Type	Other
180154B	24-49	NOBTEM	Attic - top Sfl from S wall 15 ft from W wall	Batt insulation Pink paper	NDINC
180155B	24-50	NOBTEM	Attic - 10 ft from E wall 2 Sfl from S wall	Batt insulation paper pink	NDINC
180156B	25-51	NOBTEM	Attic - HVAC unit Duct center 15 ft from N wall	White HVAC Sealant	NDINC
180157B	25-52	NOBTEM	Attic - HVAC unit Duct 15 ft from N wall	White HVAC sealant	NDINC
180158B	26-53	PLM	1F-5- <sup>NW</sup> corner above drop ceiling	Brick mortar	ND
180159B	26-54	PLM	BF1 - West center adjacent to BF2	Brick mortar	ND
180160B	27-55	NOBTEM	BF1 - West wall 2 ft from S wall ceiling	Wood Black vapor barrier	NDINC
180161B	27-56	NOBTEM	BF2 - Ceiling 5 ft from W wall 15 ft from S wall	Wood Black vapor barrier	NDINC
180162B	28-57	PLM	BF1 - East wall center	White wall patch	ND
180163B	28-58	PLM	BF1 - East wall center	White wall patch	ND
180164B	29-59	PLM	BF1 N wall center	Block mortar	ND
180165B	29-60	PLM	BF1 - N wall center	Block mortar	ND

Sampled By: Alexander T. Navratil/Krzysztof Szafarski  
 Relinquish Signature Chain of Custody: [Signature] Date: 1/12/18  
 Signature of Chain of Custody Recipient: [Signature] Date: 1/15/18  
 Disposition of Samples: 60 days

Report Routing:  
 Draft to: \_\_\_\_\_  
 Draft Due: \_\_\_\_\_  
 Final Report To: \_\_\_\_\_

\* NOTE: if the package has sustained substantial damage or the custody seal is broken, stop and contact the project manager and shipper.



CHAIN OF CUSTODY SHEET

Client: County of Schenectady  
 Attn: Donald Scheuer  
 Address: 612 State Street  
Schenectady, New York, 12305

Project Number: 08212748  
 Report Number: 08212746  
 Date Delivered: 1008  
 Package Shipped From: \_\_\_\_\_  
 Carrier: \_\_\_\_\_  
 Number Collected: 101  
 Number Received: \_\_\_\_\_  
 Date Sampled: 1/11/18

Project Name: 1026 Crane Street Demo Survey  
 Project Location (STATE): NY

Condition of Custody Seal on Receipt: \_\_\_\_\_  
 Condition of Package on receipt: \_\_\_\_\_  
 Shipping Manifest Attached: \_\_\_\_\_ Shipped Bill Retained: \_\_\_\_\_

Laboratory ID	Sample ID	Other ID	Location	Sample Type	Other
	<del>30-61</del>			<del>Pipe penetration packing</del>	
	30-62		(AN)	Pipe penetration packing	
	<del>30-63</del>			<del>Pipe penetration packing</del>	
180166B	31-64	PLM	BF1 - NE corner floor	Residual weaved wrapping	ND
180167B	31-65	PLM	BF1 - NE corner floor	Residual weaved wrapping	ND
180168B	31-66	PLM	BF1 - NE corner floor	Residual weaved wrapping	ND
180169B	32-67	PLM	BF1 - N wall 15 feet from E wall ceiling	old ceiling paper	ND
180170B	32-68	PLM	BF1 - N wall 15 feet from E wall ceiling	old ceiling paper	ND
180171B	33-69	PLM	BF2 - SW corner ceiling	old Drywall	ND
180172B	33-70	PLM	BF2 - SW corner ceiling	old Drywall	ND
180173B	34-71	-	1F2 - E wall 25ft from N wall - desk base	grey covc base	* Reduced
180174B	34-72	-	1F2 - SW corner of desk base	grey covc base	* Reduced

Sampled By: Alexander T. Navratil/Krzysztof Szafranski  
 Relinquish Signature Chain of Custody: [Signature] Date: 1/12/18  
 Signature of Chain of Custody Recipient: [Signature] Date: 1/15/18  
 Disposition of Samples: 60 days  
 Report Routing: \_\_\_\_\_  
 Draft to: \_\_\_\_\_  
 Draft Due: \_\_\_\_\_  
 Final Report To: \_\_\_\_\_

\* NOTE: if the package has sustained substantial damage or the custody seal is broken, stop and contact the project manager and shipper.



CHAIN OF CUSTODY SHEET

Client: County of Schenectady
Attn: Donald Scheuer
Address: 612 State Street
Schenectady, New York, 12305

Project Number: 08212748
Report Number: 13008
Date Delivered:
Package Shipped From:
Carrier:
Number Collected: 101
Number Received:
Date Sampled: 1/11/18

Project Name: 1026 Crane Street Demo Survey
Project Location (STATE): NY

Condition of Custody Seal on Receipt:
Condition of Package on receipt:
Shipping Manifest Attached:
Shipped Bill Retained:

Table with 6 columns: Laboratory ID, Sample ID, Other ID, Location, Sample Type, Other. Contains 12 rows of sample data with handwritten entries.

Sampled By: Alexander T. Navratil/Krzysztof Szafranski
Relinquish Signature Chain of Custody: [Signature] Date: 1/12/18
Signature of Chain of Custody Recipient: [Signature] Date: 1/15/18
Disposition of Samples: 60 days
Report Routing:
Draft to:
Draft Due:
Final Report To:



CHAIN OF CUSTODY SHEET

08212748

Client: County of Schenectady  
 Attn: Donald Scheuer  
 Address: 612 State Street  
Schenectady, New York, 12305

Project Number: 08212746  
 Report Number: 3008  
 Date Delivered: \_\_\_\_\_  
 Package Shipped From: \_\_\_\_\_

Project Name: 1026 Crane Street Demo Survey  
 Project Location (STATE): NY

Carrier: \_\_\_\_\_  
 Number Collected: 101  
 Number Received: \_\_\_\_\_  
 Date Sampled: 1/11/18

Condition of Custody Seal on Receipt: \_\_\_\_\_  
 Condition of Package on receipt: \_\_\_\_\_  
 Shipping Manifest Attached: \_\_\_\_\_ Shipped Bill Retained: \_\_\_\_\_

Laboratory ID	Sample ID	Other ID	Location	Sample Type	Other
180187 <sup>7</sup> B	41-85	NOBTEM	1F-5 NE corner	12x12 Purple floor tile	NDINC
180188B	41-86	NOBTEM	1F-4 NE corner	12x12 purple floor tile	NDINC
180189B	42-87	NOBTEM	1F-4 - NE corner	12x12 purple floor tile adhesive	NDINC
180190B	42-88	NOBTEM	1F-4 NE corner	12x12 Purple floor tile adhesive	NDINC
180191B	43-89	NOBTEM	Exterior south wall center window	old window caulk	NDINC
180192B	43-90	NOBTEM	Exterior west wall center window	old window caulk	NDINC
180193B	44-91	NOBTEM	Exterior South wall center window	New window caulk	NDINC
180194B	44-92	NOBTEM	Exterior west wall center window	New window caulk	NDINC
180195B	45-93	NOBTEM	Exterior North wall Behind metal panel	Silver Vapor barrier	NDINC
180196B	45-94	NOBTEM	Exterior North wall behind metal panel	Silver vapor barrier	NDINC
180197 <sup>7</sup> B	46-95	NOB	<del>Main exterior main entrance</del> East side	White exterior caulk	Chrysotile 14%
180198B	46-96	—	Exterior main entrance east side	White exterior caulk	—

Sampled By: Alexander T. Navratil/Krzysztof Szafranski

Report Routing: \_\_\_\_\_

Relinquish Signature Chain of Custody: [Signature] Date: 1/12/18

Draft to: \_\_\_\_\_

Signature of Chain of Custody Recipient: [Signature] Date: 1/15/18

Draft Due: \_\_\_\_\_

Disposition of Samples: 60 days

Final Report To: \_\_\_\_\_

\* NOTE: if the package has sustained substantial damage or the custody seal is broken, stop and contact the project manager and shipper.



CHAIN OF CUSTODY SHEET

Client: County of Schenectady  
 Attn: Donald Scheuer  
 Address: 612 State Street  
Schenectady, New York, 12305

Project Number: 08212748  
08212746  
 Report Number: B008  
 Date Delivered: \_\_\_\_\_  
 Package Shipped From: \_\_\_\_\_  
 Carrier: \_\_\_\_\_  
 Number Collected: 101  
 Number Received: \_\_\_\_\_  
 Date Sampled: 1/11/18

Project Name: 1026 Crane Street Demo Survey  
 Project Location (STATE): NY

Condition of Custody Seal on Receipt: \_\_\_\_\_  
 Condition of Package on receipt: \_\_\_\_\_  
 Shipping Manifest Attached: \_\_\_\_\_ Shipped Bill Retained: \_\_\_\_\_

Laboratory ID	Sample ID	Other ID	Location	Sample Type	Other
180199B	47-97	NOB	Roof NW corner	old grey flashing	NDINC
180200B	47-98	NOB	<del>Roof NW corner</del> Roof W wall parapit 10ft from S wall	old grey flashing	Chrysotile 16%
180201B	48-99	NOBTEM	Roof NW corner	Black roof Sealant	NDINC
180202B	48-100	NOBTEM	Roof N W corner	Black roof Sealant	NDINC
180203B	49-101	NOB	Roof 5 ft from W wall 15 ft from S wall	Bottom layer vapor barrier	Chrysotile 1.3%
180204B	49-102	—	Roof 5 ft from W wall 15 ft from N wall	Bottom layer vapor barrier	—
180205B	50-103	NOB	Roof 5 ft from W wall 15 ft from S wall	Black tar layer	Chrysotile 12%
180206B	50-104	—	Roof 5 ft from W wall 15 ft from N wall	Black tar layer	—
180207B	51-105 <sup>L1</sup>	PLM	Roof 5 ft from W wall 15 ft from S wall	fiber board w/ vapor barrier	L1=F.B - ND L2=V.B NDINC
180208B	51-106 <sup>L1</sup>	PLM	Roof 5 ft from W wall 15 ft from N wall	fiber board w/ vapor barrier	L1=F.B - ND L2=V.B NDINC
180209B	52-107	NOBTEM	Roof 5 ft from W wall 15 ft from S wall	Rubber roof yellow adhesive	NDINC
180210B	52-108	NOBTEM	Roof 5 ft from W wall 15 ft from N wall	Rubber roof yellow adhesive	NDINC

Sampled By: Alexander T. Navratil/Krzysztof Szafranski  
 Relinquish Signature Chain of Custody: [Signature] Date: 1/12/18  
 Signature of Chain of Custody Recipient: [Signature] Date: 1/15/18  
 Disposition of Samples: 60 days  
 Report Routing: \_\_\_\_\_  
 Draft to: \_\_\_\_\_  
 Draft Due: \_\_\_\_\_  
 Final Report To: \_\_\_\_\_

\* NOTE: if the package has sustained substantial damage or the custody seal is broken, stop and contact the project manager and shipper.



CHAIN OF CUSTODY SHEET

Client: County of Schenectady
Attn: Donald Scheuer
Address: 612 State Street
Schenectady, New York, 12305

Project Number: 06212748
Report Number: B008
Date Delivered:
Package Shipped From:

Project Name: 1026 Crane Street Demo Survey
Project Location (STATE): NY

Carrier:
Number Collected: 101
Number Received:
Date Sampled: 1/11/18

Condition of Custody Seal on Receipt:
Condition of Package on receipt:
Shipping Manifest Attached:
Shipped Bill Retained:

Table with 6 columns: Laboratory ID, Sample ID, Other ID, Location, Sample Type, Other. Contains handwritten entries for samples 180211B and 180212B.

Sampled By: Alexander T. Navratil/Krzysztof Szafranski

Report Routing:

Relinquish Signature Chain of Custody: [Signature] Date: 1/12/18

Draft to:

Signature of Chain of Custody Recipient: [Signature] Date: 1/15/18

Draft Due:

Disposition of Samples: 60 days

Final Report To:

\* NOTE: if the package has sustained substantial damage or the custody seal is broken, stop and contact the project manager and shipper.

**Table I**  
**Summary of Bulk Asbestos Analysis Results by NYS ELAP 198.4 NOB Method**  
 08212748; County Of Schenectady; 08212748 - B008 - 1026 Crane Street - Demo Survey - NY

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by TEM
01	05-11	05	----	----	----	----	NAD
Location: Bulk Material (44.9%)							
02	05-12	05	----	----	----	----	NAD
Location: Bulk Material (42.7%)							
03	06-13	06	----	----	----	----	NAD
Location: Bulk Material (51.0%)							
04	06-14	06	----	----	----	----	NAD
Location: Bulk Material (103.4%)							
05	11-23	11	----	----	----	----	NAD
Location: Bulk Material (4.9%)							
06	11-24	11	----	----	----	----	NAD
Location: Bulk Material (6.6%)							
07	12-25	12	----	----	----	----	NAD
Location: Bulk Material (6.3%)							
08	12-26	12	----	----	----	----	NAD
Location: Bulk Material (5.4%)							
09	13-27	13	----	----	----	----	NAD
Location: Bulk Material (4.6%)							
10	13-28	13	----	----	----	----	NAD
Location: Bulk Material (5.1%)							
11	14-29	14	----	----	----	----	NAD
Location: Bulk Material (6.0%)							
12	14-30	14	----	----	----	----	NAD
Location: Bulk Material (4.6%)							
13	15-31	15	----	----	----	----	NAD
Location: Bulk Material (4.2%)							
14	15-32	15	----	----	----	----	NAD
Location: Bulk Material (4.0%)							
15	16-33	16	----	----	----	----	NAD
Location: Bulk Material (31.8%)							

**Table I**  
**Summary of Bulk Asbestos Analysis Results by NYS ELAP 198.4 NOB Method**  
 08212748; County Of Schenectady; 08212748 - B008 - 1026 Crane Street - Demo Survey - NY

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by TEM
16	16-34	16	---	---	---	---	NAD
Location: Bulk Material (29.9%)							
17	17-35	17	---	---	---	---	NAD
Location: Bulk Material (26.8%)							
18	17-36	17	---	---	---	---	NAD
Location: Bulk Material (28.4%)							
19	18-37	18	---	---	---	---	Chrysotile 3.7
Location: Bulk Material (24.4%)							
20	18-38	18	---	---	---	---	NA/PS
Location: Bulk Material (22.2%)							
21	21-43	21	---	---	---	---	NAD
Location: Bulk Material (9.8%)							
22	21-44	21	---	---	---	---	NAD
Location: Bulk Material (10.3%)							
23	22-45	22	---	---	---	---	NAD
Location: Bulk Material (27.9%)							
24	22-46	22	---	---	---	---	NAD
Location: Bulk Material (26.8%)							
25	23-47	23	---	---	---	---	Chrysotile Trace
Location: Bulk Material (3.3%)							
26	23-48	23	---	---	---	---	NAD
Location: Bulk Material (1.2%)							
27	24-49	24	---	---	---	---	NAD
Location: Bulk Material (12.0%)							
28	24-50	24	---	---	---	---	NAD
Location: Bulk Material (18.3%)							
29	25-51	25	---	---	---	---	NAD
Location: Bulk Material (14.8%)							
30	25-52	25	---	---	---	---	NAD
Location: Bulk Material (15.3%)							

**Table I**  
**Summary of Bulk Asbestos Analysis Results by NYS ELAP 198.4 NOB Method**  
 08212748; County Of Schenectady; 08212748 - B008 - 1026 Crane Street - Demo Survey - NY

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by TEM
31	27-55	27	---	---	---	---	NAD
Location: Bulk Material (1.5%)							
32	27-56	27	---	---	---	---	NAD
Location: Bulk Material (1.3%)							
33	35-73	35	---	---	---	---	NAD
Location: Bulk Material (1.7%)							
34	35-74	35	---	---	---	---	NAD
Location: Bulk Material (2.1%)							
35	36-75	36	---	---	---	---	NAD
Location: Bulk Material (25.5%)							
36	36-76	36	---	---	---	---	NAD
Location: Bulk Material (26.0%)							
37	38-79	38	---	---	---	---	NAD
Location: Bulk Material (7.7%)							
38	38-80	38	---	---	---	---	NAD
Location: Bulk Material (8.0%)							
39	39-81	39	---	---	---	---	NAD
Location: Bulk Material (17.0%)							
40	40-83	40	---	---	---	---	NAD
Location: Bulk Material (1.7%)							
41	40-84	40	---	---	---	---	NAD
Location: Bulk Material (2.1%)							
42	41-85	41	---	---	---	---	NAD
Location: Bulk Material (1.8%)							
43	41-86	41	---	---	---	---	NAD
Location: Bulk Material (2.0%)							
44	42-87	42	---	---	---	---	NAD
Location: Bulk Material (7.1%)							
45	42-88	42	---	---	---	---	NAD
Location: Bulk Material (5.9%)							

**Table I**  
**Summary of Bulk Asbestos Analysis Results by NYS ELAP 198.4 NOB Method**  
 08212748; County Of Schenectady; 08212748 - B008 - 1026 Crane Street - Demo Survey - NY

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by TEM
46	43-89	43	----	----	----	----	NAD
	Location: Bulk Material (4.8%)						
47	43-90	43	----	----	----	----	NAD
	Location: Bulk Material (4.8%)						
48	44-91	44	----	----	----	----	NAD
	Location: Bulk Material (5.1%)						
49	44-92	44	----	----	----	----	NAD
	Location: Bulk Material (6.4%)						
50	45-93	45	----	----	----	----	NAD
	Location: Bulk Material (6.0%)						
51	45-94	45	----	----	----	----	NAD
	Location: Bulk Material (6.0%)						
52	48-99	48	----	----	----	----	NAD
	Location: Bulk Material (20.4%)						
53	48-100	48	----	----	----	----	NAD
	Location: Bulk Material (16.1%)						
54	51-105	51	----	----	----	----	NAD
	Location: Bulk Material (1.2%)						
55	51-106	51	----	----	----	----	NAD
	Location: Bulk Material (1.9%)						
56	52-107	52	----	----	----	----	NAD
	Location: Bulk Material (9.7%)						
57	52-108	52	----	----	----	----	NAD
	Location: Bulk Material (9.2%)						

**Table I**  
**Summary of Bulk Asbestos Analysis Results by NYS ELAP 198.4 NOB Method**  
 08212748; County Of Schenectady; 08212748 - B008 - 1026 Crane Street - Demo Survey - NY

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by TEM
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Analyzed by: Karol H. Lu ; Date Analyzed 1/26/2018

\*\*Quantitative Analysis (Semi/Full): Bulk Asbestos Analysis - PLM by EPA 600/M4-82-020 per 40 CFR or ELAP 198.1 for New York friable samples or ELAP 198.6 for New York NOB samples; TEM (Semi/Full) by EPA 600/R-93/116 (not covered by NVLAP Bulk accreditation) or ELAP 198.4; for New York samples; NAD = no asbestos detected during a quantitative analysis; NA = not analyzed; Trace <1%; (SOF-V) = Sprayed On Fireproofing containing Vermiculite; (SM-V) = Surfacing Material containing Vermiculite; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only; Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represents results for Qualitative PLM or TEM Analysis only (no accreditation coverage available from any regulatory agency for qualitative analyses); NVLAP (PLM) 200546-0, NYSDOH ELAP Lab 11480, AIHA-LAP, LLC (PLM) Lab ID 102843.

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-uniformly dispersed debris for which PLM evaluation is recommended (i.e. soils and other heterogeneous materials).

Reviewed By: \_\_\_\_\_



# CHAIN OF CUSTODY SHEET

Client: County of Schenectady  
 Attn: Donald Scheuer  
 Address: 612 State Street  
Schenectady, NY 12305

Project Number: 08212748  
 Report Number: B008  
 Date Delivered: \_\_\_\_\_  
 Package Shipped From: Schenectady, NY  
 Carrier: Fed Ex  
 Number Collected: \_\_\_\_\_  
 Number Received: \_\_\_\_\_  
 Date Sampled: \_\_\_\_\_

Project Name: **08212748; B008; 1026 Crane Street Demo Survey**  
 Projection Location (STATE): **NY**  
 Condition of Custody Seal on Receipt: \_\_\_\_\_  
 Condition of Package on receipt: \_\_\_\_\_  
 Shipping Manifest Attached: \_\_\_\_\_

Shipped Bill Retained: \_\_\_\_\_

Laboratory ID	Sample ID	Other ID	Location	Sample Type	Other
180122B	05-11		Please analyze these 57 prepped NOB samples by TEM. Thank you!		
180123B	05-12				
180124B	06-13		Standard Turn Around Time		
180125B	06-14				
180132B	11-23		Stop at 1 <sup>st</sup> Positive per Homogeneous Group		
180133B	11-24				
180134B	12-25				
180135B	12-26				
180136B	13-27				
180137B	13-28				
180138B	14-29				
180139B	14-30		Page 1 of 5	<b>№ 2 1 8 0 1 3 5 3 4</b>	

Sampled By: Alex Navratil / Krzysztof Szafranski GR: Bill Kotas

**Report Routing:**

Relinquish Signature Chain of Custody: Jenny L. Scholl Date: 1/23/18

Draft to: \_\_\_\_\_

Signature of Chain of Custody Recipient: J. Fasen Date: 1-24-18 1145

Draft Due: \_\_\_\_\_

Disposition of Samples: \_\_\_\_\_

Final Report To: \_\_\_\_\_

\* NOTE: if the package has sustained substantial damage or the custody seal is broken, stop and contact the project manager and shipper.

**CHAIN OF CUSTODY SHEET**

Client: County of Schenectady  
Attn: Donald Scheuer  
Address: 612 State Street  
Schenectady, NY 12305

Project Number: 08212748  
Report Number: B008  
Date Delivered: \_\_\_\_\_  
Package Shipped From: Schenectady, NY  
Carrier: Fed Ex  
Number Collected: \_\_\_\_\_  
Number Received: \_\_\_\_\_  
Date Sampled: \_\_\_\_\_

Project Name: **08212748; B008; 1026 Crane Street**  
Demo Survey  
Projection Location (STATE): **NY**  
Condition of Custody Seal on Receipt: \_\_\_\_\_  
Condition of Package on receipt: \_\_\_\_\_  
Shipping Manifest Attached: \_\_\_\_\_

Shipped Bill Retained: \_\_\_\_\_

Laboratory ID	Sample ID	Other ID	Location	Sample Type	Other
180140B	15-31		Please analyze these 57 prepped NOB samples by TEM. Thank you!		
180141B	15-32				
180142B	16-33		Standard Turn Around Time		
180143B	16-34				
180144B	17-35		Stop at 1 <sup>st</sup> Positive per Homogeneous Group		
180145B	17-36				
180146B	18-37				
180147B	18-38				
180148B	21-43				
180149B	21-44				
180150B	22-45				
180151B	22-46		Page 2 of 5		

Sampled By: Alex Navratil / Krzysztof Szafranski GR: Bill Kotas

**Report Routing:**

Relinquish Signature Chain of Custody: Jenny D. Sholl Date: 1/23/18

Draft to: \_\_\_\_\_

Signature of Chain of Custody Recipient: SPAS Date: 1-24-18 1145

Draft Due: \_\_\_\_\_

Disposition of Samples: \_\_\_\_\_

Final Report To: \_\_\_\_\_

\* NOTE: if the package has sustained substantial damage or the custody seal is broken, stop and contact the project manager and shipper.

**№ 2 1 8 0 1 3 5 3 4**

**CHAIN OF CUSTODY SHEET**

Client: County of Schenectady  
Attn: Donald Scheuer  
Address: 612 State Street  
Schenectady, NY 12305

Project Number: 08212748  
Report Number: B008  
Date Delivered: \_\_\_\_\_  
Package Shipped From: Schenectady, NY  
Carrier: Fed Ex  
Number Collected: \_\_\_\_\_  
Number Received: \_\_\_\_\_  
Date Sampled: \_\_\_\_\_

Project Name: **08212748; B008; 1026 Crane Street**  
Demo Survey  
Projection Location (STATE): **NY**  
Condition of Custody Seal on Receipt: \_\_\_\_\_  
Condition of Package on receipt: \_\_\_\_\_  
Shipping Manifest Attached: \_\_\_\_\_

Shipped Bill Retained: \_\_\_\_\_

Laboratory ID	Sample ID	Other ID	Location	Sample Type	Other
180152B	23-47		Please analyze these 57 prepped NOB samples by TEM. Thank you!		
180153B	23-48				
180154B	24-49		Standard Turn Around Time		
180155B	24-50				
180156B	25-51		Stop at 1 <sup>st</sup> Positive per Homogeneous Group		
180157B	25-52				
180160B	27-55				
180161B	27-56				
180175B	35-73				
180176B	35-74				
180177B	36-75				
180178B	36-76		Page 3 of 5		

**№ 2 18013534**

Sampled By: Alex Navratil / Krzysztof Szafranski GR: Bill Kotas

Relinquish Signature Chain of Custody: Jenny D. Scholl Date: 1/23/18

Signature of Chain of Custody Recipient: [Signature] Date: 1-24-18 11:45

Disposition of Samples: \_\_\_\_\_

**Report Routing:**

Draft to: \_\_\_\_\_

Draft Due: \_\_\_\_\_

Final Report To: \_\_\_\_\_

\* NOTE: if the package has sustained substantial damage or the custody seal is broken, stop and contact the project manager and shipper.



**CHAIN OF CUSTODY SHEET**

Client: County of Schenectady  
 Attn: Donald Scheuer  
 Address: 612 State Street  
Schenectady, NY 12305

Project Number: 08212748  
 Report Number: B008  
 Date Delivered: \_\_\_\_\_  
 Package Shipped From: Schenectady, NY  
 Carrier: Fed Ex  
 Number Collected: \_\_\_\_\_  
 Number Received: \_\_\_\_\_  
 Date Sampled: \_\_\_\_\_

Project Name: **08212748; B008; 1026 Crane Street Demo Survey**  
 Projection Location (STATE): **NY**  
 Condition of Custody Seal on Receipt: \_\_\_\_\_  
 Condition of Package on receipt: \_\_\_\_\_  
 Shipping Manifest Attached: \_\_\_\_\_

Shipped Bill Retained: \_\_\_\_\_

Laboratory ID	Sample ID	Other ID	Location	Sample Type	Other
180181B	38-79		Please analyze these 57 prepped NOB samples by TEM. Thank you!		
180182B	38-80				
180183B	39-81		Standard Turn Around Time		
180185B	40-83				
180186B	40-84		Stop at 1 <sup>st</sup> Positive per Homogeneous Group		
180187B	41-85				
180188B	41-86				
180189B	42-87				
180190B	42-88				
180191B	43-89				
180192B	43-90				
180193B	44-91		Page 4 of 5		

**№ 2 1 8 0 1 3 5 3 4**

Sampled By: Alex Navratil / Krzysztof Szafranski GR: Bill Kotas

Report Routing:

Relinquish Signature Chain of Custody: Jenny R. Scholl Date: 1/23/18

Draft to: \_\_\_\_\_

Signature of Chain of Custody Recipient: [Signature] Date: 1-24-18 1145

Draft Due: \_\_\_\_\_

Disposition of Samples: \_\_\_\_\_

Final Report To: \_\_\_\_\_

\* NOTE: if the package has sustained substantial damage or the custody seal is broken, stop and contact the project manager and shipper.



# CHAIN OF CUSTODY SHEET

Client: County of Schenectady  
 Attn: Donald Scheuer  
 Address: 612 State Street  
Schenectady, NY 12305

Project Number: 08212748  
 Report Number: B008  
 Date Delivered: \_\_\_\_\_  
 Package Shipped From: Schenectady, NY  
 Carrier: Fed Ex  
 Number Collected: \_\_\_\_\_  
 Number Received: \_\_\_\_\_  
 Date Sampled: \_\_\_\_\_

Project Name: **08212748; B008; 1026 Crane Street Demo Survey**

Projection Location (STATE): **NY**

Condition of Custody Seal on Receipt: \_\_\_\_\_

Condition of Package on receipt: \_\_\_\_\_

Shipping Manifest Attached: \_\_\_\_\_ Shipped Bill Retained: \_\_\_\_\_

Laboratory ID	Sample ID	Other ID	Location	Sample Type	Other
180194B	44-92		Please analyze these 57 prepped NOB samples by TEM. Thank you!		
180195B	45-93				
180196B	45-94		Standard Turn Around Time		
180201B	48-99				
180202B	48-100		Stop at 1 <sup>st</sup> Positive per Homogeneous Group		
180207B L2	51-105				
180208B L2	51-106				
180209B	52-107				
180210B	52-108				
			Page 5 of 5		

Sampled By: Alex Navratil / Krzysztof Szafranski GR: Bill Kotas

**Report Routing:**

Relinquish Signature Chain of Custody: Jenny L. Scholl Date: 1/23/18 Draft to: \_\_\_\_\_

Signature of Chain of Custody Recipient: SPASER Date: 1-24-18 1145 Draft Due: \_\_\_\_\_

Disposition of Samples: \_\_\_\_\_ Final Report To: \_\_\_\_\_

\* NOTE: if the package has sustained substantial damage or the custody seal is broken, stop and contact the project manager and shipper.

**#218013534**

# NOB Prep Log Book

Boob

1 of 5

Date	Sample Number	Initials	Homogenization Method	MATRIX REDUCTION (Weight in Grams)						ACID DIGESTION (Weight in Grams)						Comments
				Crucible	Crucible + Raw Sample	Orig. Raw Sample	Ashed Sample	% Org. Comp.	Weigh Boat + Filter	Weigh Boat + Filter + Residue	Residue	% Acid Sol.	% Acid Insol.			
1/17/2018	180122B	WK	M+P	15.0751	15.3071	0.2320	15.2365	0.1614	30.4	1.0053	1.1094	0.1041	24.7	44.9		
1/17/2018	180123B	WK	M+P	13.5995	13.8793	0.2798	13.8050	0.2055	26.6	1.0069	1.1264	0.1195	30.7	42.7		
1/17/2018	180124B	WK	M+P	13.7494	14.0553	0.3059	13.9820	0.2326	24.0	1.0212	1.1771	0.1559	25.1	51.0		
1/17/2018	180125B	WK	M+P	15.2600	15.5762	0.3162	15.4981	0.2381	24.7	0.9994	1.3262	0.3268	-28.1	103.4		
1/17/2018	180132B	WK	M+P	14.0809	14.3077	0.2268	14.0979	0.0170	92.5	1.0073	1.0185	0.0112	2.6	4.9		
1/17/2018	180133B	WK	M+P	14.2027	14.3725	0.1698	14.2199	0.0172	89.9	1.0204	1.0316	0.0112	3.5	6.6		
1/17/2018	180134B	WK	M+P	14.2438	14.4134	0.1696	14.3650	0.1212	28.5	1.0054	1.0161	0.0107	65.2	6.3		
1/17/2018	180135B	WK	M+P	12.9638	13.1065	0.1427	13.0731	0.1093	23.4	0.9978	1.0055	0.0077	71.2	5.4		
1/17/2018	180136B	WK	M+P	13.7444	14.0536	0.3092	13.9023	0.1579	48.9	0.9994	1.0136	0.0142	46.5	4.6		
1/17/2018	180137B	WK	M+P	14.2817	14.6259	0.3442	14.4582	0.1765	48.7	0.9772	0.9949	0.0177	46.1	5.1		
1/17/2018	180138B	WK	M+P	13.1152	13.2636	0.1484	13.2070	0.0918	38.1	1.0187	1.0276	0.0089	55.9	6.0		
1/17/2018	180139B	WK	M+P	12.8100	12.9609	0.1509	12.8937	0.0837	44.5	1.0423	1.0492	0.0069	50.9	4.6		
1/17/2018	180140B	WK	M+P	13.1389	13.3744	0.2355	13.2950	0.1561	33.7	1.0181	1.0280	0.0099	62.1	4.2		
1/17/2018	180141B	WK	M+P	13.4002	13.6379	0.2377	13.5595	0.1593	33.0	1.0084	1.0178	0.0094	63.1	4.0		
1/17/2018	Blank	WK	M+P	13.8443	14.3001	0.4558	14.2382	0.3939	13.6	1.0014	1.0048	0.0034	85.7	0.7		
						0.0000		0.0000	#DIV/0!			0.0000	#DIV/0!	#DIV/0!		
						0.0000		0.0000	#DIV/0!			0.0000	#DIV/0!	#DIV/0!		

# 2 1 8 0 1 3 5 3 4

B008  
20F5

# NOB Prep Log Book

Date	Sample Number	Initials	Homogenization Method	MATRIX REDUCTION (Weight in Grams)							ACID DIGESTION (Weight in Grams)						
				Crucible	Crucible + Raw Sample	Orig. Raw Sample	Crucible + Ashed Sample	Ashed Sample	% Org. Comp.	Weigh Boat + Filter	Weigh Boat + Filter + Residue	Residue	% Acid Sol.	% Acid Insol.	Comments		
1/17/2018	180142B	WK	M+P	11.0874	11.4002	0.3128	11.3386	0.2512	19.7	1.0094	1.1090	0.0996	48.5	31.8			
1/17/2018	180143B	WK	M+P	13.0902	13.3528	0.2626	13.3026	0.2124	19.1	1.0383	1.1167	0.0784	51.0	29.9			
1/17/2018	180144B	WK	M+P	12.9430	13.1082	0.1652	13.0263	0.0833	49.6	1.0177	1.0619	0.0442	23.7	26.8			
1/17/2018	180145B	WK	M+P	10.7971	10.9735	0.1764	10.8876	0.0905	48.7	0.9947	1.0448	0.0501	22.9	28.4			
1/17/2018	180146B	WK	M+P	12.9234	13.1490	0.2256	13.1084	0.1850	18.0	1.0238	1.0789	0.0551	57.6	24.4			
1/17/2018	180147B	WK	M+P	11.8462	11.9568	0.1106	11.9349	0.0887	19.8	1.0293	1.0539	0.0246	58.0	22.2			
1/17/2018	180148B	WK	M+P	12.9623	13.0656	0.1033	12.9731	0.0108	89.5	1.0016	1.0117	0.0101	0.7	9.8			
1/17/2018	180149B	WK	M+P	13.8065	13.8976	0.0911	13.8174	0.0109	88.0	0.9957	1.0051	0.0094	1.6	10.3			
1/17/2018	180150B	WK	M+P	13.3740	13.4209	0.0469	13.3986	0.0246	47.5	1.0096	1.0227	0.0131	24.5	27.9			
1/17/2018	180151B	WK	M+P	13.5516	13.7136	0.1620	13.6381	0.0865	46.6	1.0063	1.0497	0.0434	26.6	26.8			
1/17/2018	180152B	WK	M+P	13.0943	13.2628	0.1685	13.1064	0.0121	92.8	1.0173	1.0229	0.0056	3.9	3.3			
1/17/2018	180152B	WK	M+P	12.1575	12.3046	0.1471	12.1620	0.0045	96.9	1.0247	1.0264	0.0017	1.9	1.2			
1/17/2018	180154B	WK	M+P	12.2814	12.4019	0.1205	12.2976	0.0162	86.6	1.0103	1.0247	0.0144	1.5	12.0			
1/17/2018	180155B	WK	M+P	13.8015	14.0019	0.2004	13.8183	0.0168	91.6	1.0205	1.0572	0.0367	-9.9	18.3			
1/17/2018	Blank	WK	M+P	13.7453	14.0349	0.2896	13.9924	0.2471	14.7	1.0337	1.0351	0.0014	84.8	0.5			
						0.0000		0.0000	#DIV/0!			0.0000	#DIV/0!	#DIV/0!			
						0.0000		0.0000	#DIV/0!			0.0000	#DIV/0!	#DIV/0!			

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# NOB Prep Log Book

Date	Sample Number	Initials	Homogenization Method	MATRIX REDUCTION (Weight in Grams)							ACID DIGESTION (Weight in Grams)							Comments
				Crucible + Raw Sample	Crucible + Raw Sample	Orig. Raw Sample	Crucible + Ashed Sample	Ashed Sample	% Org. Comp.	Weigh Boat + Filter	Weigh Boat + Filter + Residue	Residue	% Acid Sol.	% Acid Insol.				
1/17/2018	180156B	WK	M+P	11.9675	12.2161	0.2486	12.1264	0.1589	36.1	1.0187	1.0554	0.0367	49.2	14.8				
1/17/2018	180157B	WK	M+P	14.3841	14.4408	0.0567	14.4198	0.0357	37.0	1.0072	1.0159	0.0087	47.6	15.3				
1/17/2018	180160B	WK	M+P	12.2254	12.4601	0.2347	12.2382	0.0128	94.5	1.0285	1.0321	0.0036	3.9	1.5				
1/17/2018	180161B	WK	M+P	14.0443	14.3241	0.2798	14.0550	0.0107	96.2	1.0118	1.0154	0.0036	2.5	1.3				
1/17/2018	180173B	WK	M+P	12.6046	12.8660	0.2614	12.7629	0.1583	39.4	0.9986	0.9992	0.0006	60.3	0.2				
1/17/2018	180174B	WK	M+P	13.2091	13.4481	0.2390	13.3382	0.1291	46.0	1.0122	1.0124	0.0002	53.9	0.1				
1/17/2018	180175B	WK	M+P	13.0118	13.2873	0.2755	13.1395	0.1277	53.6	1.0099	1.0145	0.0046	44.7	1.7				
1/17/2018	180176B	WK	M+P	12.7709	12.9817	0.2108	12.8636	0.0927	56.0	1.0288	1.0332	0.0044	41.9	2.1				
1/17/2018	180177B	WK	M+P	13.6588	13.8438	0.1850	13.7286	0.0698	62.3	1.0064	1.0535	0.0471	12.3	25.5				
1/17/2018	180178B	WK	M+P	12.4345	12.6971	0.2626	12.5374	0.1029	60.8	1.0117	1.0800	0.0683	13.2	26.0				
1/17/2018	180179B	WK	M+P	13.5954	13.8790	0.2836	13.7452	0.1498	47.2	0.9976	0.9981	0.0005	52.6	0.2				
1/17/2018	180180B	WK	M+P	13.7878	14.0815	0.2937	13.9439	0.1561	46.9	1.0160	1.0169	0.0009	52.8	0.3				
1/17/2018	180181B	WK	M+P	11.5081	11.7193	0.2112	11.6503	0.1422	32.7	1.0077	1.0240	0.0163	59.6	7.7				
1/17/2018	180182B	WK	M+P	12.3580	12.5071	0.1491	12.4373	0.0793	46.8	1.0349	1.0468	0.0119	45.2	8.0				
1/17/2018	Blank	WK	M+P	13.5041	13.6466	0.1425	13.6256	0.1215	14.7	0.9708	0.9706	-0.0002	85.4	-0.1				
						0.0000		0.0000	#DIV/0!			0.0000	#DIV/0!	#DIV/0!				
						0.0000		0.0000	#DIV/0!			0.0000	#DIV/0!	#DIV/0!				

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NOB Prep Log Book

Date	Sample Number	Initials	Homogenization Method	MATRIX REDUCTION (Weight in Grams)							ACID DIGESTION (Weight in Grams)							Comments
				Crucible	Crucible + Raw Sample	Orig. Raw Sample	Crucible + Ashed Sample	Ashed Sample	% Org. Comp.	Weigh Boat + Filter	Weigh Boat + Filter + Residue	Residue	% Acid Sol.	% Acid Insol.				
1/19/2018	180183B	WK	M+P	13.6722	13.8904	0.2182	13.7867	0.1145	47.5	0.9914	1.0284	0.0370	35.5	17.0				
1/19/2018	180184B	WK	M+P	14.8631	15.0974	0.2343	15.0320	0.1689	27.9	1.0163	1.0178	0.0015	71.4	0.6				
1/19/2018	180185B	WK	M+P	12.8958	13.1646	0.2688	13.0130	0.1172	56.4	0.9981	1.0027	0.0046	41.9	1.7				
1/19/2018	180186B	WK	M+P	13.5642	13.9197	0.3555	13.7235	0.1593	55.2	1.0030	1.0105	0.0075	42.7	2.1				
1/19/2018	180187B	WK	M+P	12.8993	13.1991	0.2998	13.1485	0.2492	16.9	1.0248	1.0303	0.0055	81.3	1.8				
1/19/2018	180188B	WK	M+P	14.9279	15.1535	0.2256	15.1152	0.1873	17.0	0.9993	1.0039	0.0046	81.0	2.0				
1/19/2018	180189B	WK	M+P	13.3992	13.4658	0.0666	13.4282	0.0290	56.5	1.0265	1.0312	0.0047	36.5	7.1				
1/19/2018	180190B	WK	M+P	12.4703	12.5450	0.0747	12.4793	0.0090	88.0	0.9886	0.9930	0.0044	6.2	5.9				
1/19/2018	180191B	WK	M+P	13.2728	13.6264	0.3536	13.4733	0.2005	43.3	1.0162	1.0333	0.0171	51.9	4.8				
1/19/2018	180192B	WK	M+P	14.1899	14.5680	0.3781	14.4282	0.2383	37.0	1.0083	1.0265	0.0182	58.2	4.8				
1/19/2018	180193B	WK	M+P	14.8772	15.1863	0.3091	15.0703	0.1931	37.5	1.0023	1.0182	0.0159	57.3	5.1				
1/19/2018	180194B	WK	M+P	13.9437	14.1875	0.2438	14.0971	0.1534	37.1	1.0033	1.0188	0.0155	56.6	6.4				
1/19/2018	180195B	WK	M+P	14.0903	14.2013	0.1110	14.1591	0.0688	38.0	1.0346	1.0413	0.0067	55.9	6.0				
1/19/2018	180196B	WK	M+P	13.6734	13.8136	0.1402	13.7610	0.0876	37.5	1.0018	1.0102	0.0084	56.5	6.0				
1/19/2018	Blank	WK	M+P	14.6318	14.8434	0.2116	14.8107	0.1789	15.5	1.0127	1.0138	0.0011	84.0	0.5				
						0.0000		0.0000	#DIV/0!			0.0000	#DIV/0!	#DIV/0!				
						0.0000		0.0000	#DIV/0!			0.0000	#DIV/0!	#DIV/0!				

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8008

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# NOB Prep Log Book

Date	Sample Number	Initials	Homogenization Method	MATRIX REDUCTION (Weight in Grams)							ACID DIGESTION (Weight in Grams)							Comments
				Crucible + Raw Sample	Crucible + Raw Sample	Crucible + Ashed Sample	Ashed Sample	% Org. Comp.	Weigh Boat + Filter	Weigh Boat + Filter + Residue	Residue	% Acid Sol.	% Acid Insol.					
1/19/2018	180197B	WK	M+P	11.5702	11.7943	0.2241	11.7390	0.1688	24.7	1.0028	1.0480	0.0452	55.2	20.2				
1/19/2018	180198B	WK	M+P	12.6145	12.8955	0.2810	12.8255	0.2110	24.9	1.0063	1.0641	0.0578	54.5	20.6				
1/19/2018	180199B	WK	M+P	12.3613	12.5163	0.1550	12.4797	0.1184	23.6	1.0162	1.0307	0.0145	67.0	9.4				
1/19/2018	<del>180200B</del>	WK	M+P	10.8016	11.0359	0.2343	10.9306	0.1290	44.9	1.0239	1.0822	0.0583	30.2	24.9	reprep			
1/19/2018	180201B	WK	M+P	13.8093	13.9490	0.1397	13.8736	0.0643	54.0	1.0143	1.0428	0.0285	25.6	20.4				
1/19/2018	180202B	WK	M+P	14.2371	14.4686	0.2315	14.3053	0.0682	70.5	1.0251	1.0624	0.0373	13.3	16.1				
1/19/2018	180203B	WK	M+P	14.3864	14.6313	0.2449	14.3916	0.0052	97.9	0.9941	0.9979	0.0038	0.6	1.6				
1/19/2018	180204B	WK	M+P	12.8088	13.1542	0.3454	12.9958	0.1870	45.9	1.0190	1.1012	0.0822	30.3	23.8				
1/19/2018	180205B	WK	M+P	11.8494	12.1859	0.3365	11.9771	0.1277	62.1	0.9853	1.0536	0.0683	17.7	20.3				
1/19/2018	180206B	WK	M+P	12.2855	12.8730	0.5875	12.3028	0.0173	97.1	0.9989	1.0088	0.0099	1.3	1.7				
1/19/2018	180207B L2	WK	M+P	13.4015	13.5152	0.1137	13.4040	0.0025	97.8	1.0011	1.0025	0.0014	1.0	1.2				
1/19/2018	180208B L2	WK	M+P	13.0925	13.2036	0.1111	13.0951	0.0026	97.7	1.0110	1.0131	0.0021	0.5	1.9				
1/19/2018	180209B	WK	M+P	11.0874	11.2325	0.1451	11.1061	0.0187	87.1	1.0237	1.0378	0.0141	3.2	9.7				
1/19/2018	180210B	WK	M+P	13.7470	13.8850	0.1380	13.7634	0.0164	88.1	1.0037	1.0164	0.0127	2.7	9.2				
1/19/2018	Blank	WK	M+P	13.0150	13.2756	0.2606	13.2380	0.2230	14.4	1.0086	1.0109	0.0023	84.7	0.9				
						0.0000		0.0000	#DIV/0!			0.0000	#DIV/0!	#DIV/0!				
						0.0000		0.0000	#DIV/0!			0.0000	#DIV/0!	#DIV/0!				

#2 18013534



**APPENDIX B – REPORT OF BULK SAMPLE ANALYSIS FOR LEAD**

**Analytical Report**  
**Analysis of Paint for Lead Determination**

**TESTED FOR:** PSI, Inc  
 104 Erie Boulevard, Suite One  
 Schenectady, NY 12305  
 Attn: John Tranter

**Project ID:** 08212748  
 County of Schenectady  
 1026 Crane Street Demo Survey

**Date Received:** 1/15/2018      **Date Analyzed:** 1/15/2018      **Date of Issue:** 1/15/2018

**Analyst:** Jessica Mols      **Work Order:** 1801281      **Page:** 1 of 1

Lab Sample #	Client Sample #	% Lead by Weight	Reporting Limit % Lead by Weight
001A	LBP-01	< 0.011	0.011
002A	LBP-02	0.11	0.010
003A	LBP-03	< 0.012	0.012
004A	LBP-04	< 0.010	0.010

**Analytical & Prep Method** PSI WI-506 mod. EPA SW846 7000B, Rev 2, 2007  
 PSI WI-502 mod. EPA SW846 3050B, Rev 2, 1996  
*Analysis was performed by flame AA using a PE AAnalyst 400.*

Reporting limit = 30µg Pb per representative subsample.  
 Results are based on a representative subsample of the total sample submitted by the client.  
 AIHA-LAP, LLC #100373; NYELAP ID #10930; CA Lab ID #2377.  
 Unless otherwise noted, all samples were acceptable upon receipt.  
 Sample results are not corrected for blanks.  
 All quality control sample results are within the acceptance range, unless noted.  
 All results are calculated using dry weight and based on 2 significant figures. Results relate only to items tested.  
 Client submitted data is the determining factor in the accuracy of calculated results.  
 The attached Chain of Custody is incorporated into and becomes a part of the final report.  
 This report may not be reproduced, except in full, without written approval of PSI, Inc.

**Respectfully submitted,**  
**PSI, Inc.**



**Approved Signatory**  
**Jessica Mols**

**APPENDIX C – REPORT OF BULK SAMPLE ANALYSIS FOR PCB**

January 22, 2018

David Myers  
PSI - NY  
104 Erie Boulevard, Suite 1  
Schenectady, NY 12305

Project Location: 1026 Crane Street Demo Survey  
Client Job Number:  
Project Number: 08212748  
Laboratory Work Order Number: 18A0448

Enclosed are results of analyses for samples received by the laboratory on January 15, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Aaron L. Benoit", with a horizontal line extending to the right from the end of the signature.

Aaron L. Benoit  
Project Manager

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PSI - NY  
104 Erie Boulevard, Suite 1  
Schenectady, NY 12305  
ATTN: David Myers

REPORT DATE: 1/22/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 08212748

**ANALYTICAL SUMMARY**

---

WORK ORDER NUMBER: 18A0448

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 1026 Crane Street Demo Survey

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
PCB-01	18A0448-01	Caulk	1F-S Bathroom Sink South Wall	SW-846 8082A	
PCB-02	18A0448-02	Caulk	Exterior-South Wall Center Window	SW-846 8082A	
PCB-03	18A0448-03	Caulk	Exterior-South Wall Center Window	SW-846 8082A	
PCB-04	18A0448-04	Caulk	Exterior-N. Side Main Entrance East Wall	SW-846 8082A	

**CASE NARRATIVE SUMMARY**

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing. I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

A handwritten signature in black ink, appearing to read "Lisa A. Worthington", is written over a light gray rectangular background.

Lisa A. Worthington  
Project Manager

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: 1026 Crane Street Demo Survey

Sample Description: 1F-S Bathroom Sink South Wall

Work Order: 18A0448

Date Received: 1/15/2018

Field Sample #: PCB-01

Sampled: 1/11/2018 00:00

Sample ID: 18A0448-01

Sample Matrix: Caulk

**Polychlorinated Biphenyls By GC/ECD**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.70	mg/Kg	4		SW-846 8082A	1/16/18	1/18/18 22:09	KAL
Aroclor-1221 [1]	ND	0.70	mg/Kg	4		SW-846 8082A	1/16/18	1/18/18 22:09	KAL
Aroclor-1232 [1]	ND	0.70	mg/Kg	4		SW-846 8082A	1/16/18	1/18/18 22:09	KAL
Aroclor-1242 [1]	ND	0.70	mg/Kg	4		SW-846 8082A	1/16/18	1/18/18 22:09	KAL
Aroclor-1248 [1]	0.99	0.70	mg/Kg	4		SW-846 8082A	1/16/18	1/18/18 22:09	KAL
Aroclor-1254 [1]	ND	0.70	mg/Kg	4		SW-846 8082A	1/16/18	1/18/18 22:09	KAL
Aroclor-1260 [1]	ND	0.70	mg/Kg	4		SW-846 8082A	1/16/18	1/18/18 22:09	KAL
Aroclor-1262 [1]	ND	0.70	mg/Kg	4		SW-846 8082A	1/16/18	1/18/18 22:09	KAL
Aroclor-1268 [1]	ND	0.70	mg/Kg	4		SW-846 8082A	1/16/18	1/18/18 22:09	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		101	30-150					1/18/18 22:09	
Decachlorobiphenyl [2]		100	30-150					1/18/18 22:09	
Tetrachloro-m-xylene [1]		94.7	30-150					1/18/18 22:09	
Tetrachloro-m-xylene [2]		97.0	30-150					1/18/18 22:09	

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Project Location: 1026 Crane Street Demo Survey

Sample Description: Exterior-South Wall Center Window

Work Order: 18A0448

Date Received: 1/15/2018

Field Sample #: PCB-02

Sampled: 1/11/2018 00:00

Sample ID: 18A0448-02

Sample Matrix: Caulk

**Polychlorinated Biphenyls By GC/ECD**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.71	mg/Kg	4		SW-846 8082A	1/16/18	1/18/18 22:27	KAL
Aroclor-1221 [1]	ND	0.71	mg/Kg	4		SW-846 8082A	1/16/18	1/18/18 22:27	KAL
Aroclor-1232 [1]	ND	0.71	mg/Kg	4		SW-846 8082A	1/16/18	1/18/18 22:27	KAL
Aroclor-1242 [1]	ND	0.71	mg/Kg	4		SW-846 8082A	1/16/18	1/18/18 22:27	KAL
Aroclor-1248 [1]	ND	0.71	mg/Kg	4		SW-846 8082A	1/16/18	1/18/18 22:27	KAL
Aroclor-1254 [1]	ND	0.71	mg/Kg	4		SW-846 8082A	1/16/18	1/18/18 22:27	KAL
Aroclor-1260 [1]	ND	0.71	mg/Kg	4		SW-846 8082A	1/16/18	1/18/18 22:27	KAL
Aroclor-1262 [1]	ND	0.71	mg/Kg	4		SW-846 8082A	1/16/18	1/18/18 22:27	KAL
Aroclor-1268 [1]	ND	0.71	mg/Kg	4		SW-846 8082A	1/16/18	1/18/18 22:27	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		96.6	30-150					1/18/18 22:27	
Decachlorobiphenyl [2]		93.4	30-150					1/18/18 22:27	
Tetrachloro-m-xylene [1]		91.1	30-150					1/18/18 22:27	
Tetrachloro-m-xylene [2]		87.2	30-150					1/18/18 22:27	

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Project Location: 1026 Crane Street Demo Survey

Sample Description: Exterior-South Wall Center Window

Work Order: 18A0448

Date Received: 1/15/2018

Field Sample #: PCB-03

Sampled: 1/11/2018 00:00

Sample ID: 18A0448-03

Sample Matrix: Caulk

**Polychlorinated Biphenyls By GC/ECD**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.72	mg/Kg	4		SW-846 8082A	1/16/18	1/18/18 22:45	KAL
Aroclor-1221 [1]	ND	0.72	mg/Kg	4		SW-846 8082A	1/16/18	1/18/18 22:45	KAL
Aroclor-1232 [1]	ND	0.72	mg/Kg	4		SW-846 8082A	1/16/18	1/18/18 22:45	KAL
Aroclor-1242 [1]	ND	0.72	mg/Kg	4		SW-846 8082A	1/16/18	1/18/18 22:45	KAL
Aroclor-1248 [1]	ND	0.72	mg/Kg	4		SW-846 8082A	1/16/18	1/18/18 22:45	KAL
Aroclor-1254 [1]	ND	0.72	mg/Kg	4		SW-846 8082A	1/16/18	1/18/18 22:45	KAL
Aroclor-1260 [1]	ND	0.72	mg/Kg	4		SW-846 8082A	1/16/18	1/18/18 22:45	KAL
Aroclor-1262 [1]	ND	0.72	mg/Kg	4		SW-846 8082A	1/16/18	1/18/18 22:45	KAL
Aroclor-1268 [1]	ND	0.72	mg/Kg	4		SW-846 8082A	1/16/18	1/18/18 22:45	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		84.5	30-150					1/18/18 22:45	
Decachlorobiphenyl [2]		86.5	30-150					1/18/18 22:45	
Tetrachloro-m-xylene [1]		77.3	30-150					1/18/18 22:45	
Tetrachloro-m-xylene [2]		84.9	30-150					1/18/18 22:45	

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Project Location: 1026 Crane Street Demo Survey

Sample Description: Exterior-N. Side Main Entrance East W

Work Order: 18A0448

Date Received: 1/15/2018

Field Sample #: PCB-04

Sampled: 1/11/2018 00:00

Sample ID: 18A0448-04

Sample Matrix: Caulk

**Polychlorinated Biphenyls By GC/ECD**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	1/16/18	1/18/18 23:03	KAL
Aroclor-1221 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	1/16/18	1/18/18 23:03	KAL
Aroclor-1232 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	1/16/18	1/18/18 23:03	KAL
Aroclor-1242 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	1/16/18	1/18/18 23:03	KAL
Aroclor-1248 [1]	1.7	0.68	mg/Kg	4		SW-846 8082A	1/16/18	1/18/18 23:03	KAL
Aroclor-1254 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	1/16/18	1/18/18 23:03	KAL
Aroclor-1260 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	1/16/18	1/18/18 23:03	KAL
Aroclor-1262 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	1/16/18	1/18/18 23:03	KAL
Aroclor-1268 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	1/16/18	1/18/18 23:03	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		99.6	30-150					1/18/18 23:03	
Decachlorobiphenyl [2]		96.2	30-150					1/18/18 23:03	
Tetrachloro-m-xylene [1]		93.5	30-150					1/18/18 23:03	
Tetrachloro-m-xylene [2]		94.9	30-150					1/18/18 23:03	

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### Sample Extraction Data

Prep Method: SW-846 3546-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18A0448-01 [PCB-01]	B195027	0.571	10.0	01/16/18
18A0448-02 [PCB-02]	B195027	0.563	10.0	01/16/18
18A0448-03 [PCB-03]	B195027	0.557	10.0	01/16/18
18A0448-04 [PCB-04]	B195027	0.586	10.0	01/16/18

---

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**QUALITY CONTROL**

**Polychlorinated Biphenyls By GC/ECD - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B195027 - SW-846 3546</b>										
<b>Blank (B195027-BLK1)</b>										
Prepared: 01/16/18 Analyzed: 01/18/18										
Aroclor-1016	ND	0.20	mg/Kg							
Aroclor-1016 [2C]	ND	0.20	mg/Kg							
Aroclor-1221	ND	0.20	mg/Kg							
Aroclor-1221 [2C]	ND	0.20	mg/Kg							
Aroclor-1232	ND	0.20	mg/Kg							
Aroclor-1232 [2C]	ND	0.20	mg/Kg							
Aroclor-1242	ND	0.20	mg/Kg							
Aroclor-1242 [2C]	ND	0.20	mg/Kg							
Aroclor-1248	ND	0.20	mg/Kg							
Aroclor-1248 [2C]	ND	0.20	mg/Kg							
Aroclor-1254	ND	0.20	mg/Kg							
Aroclor-1254 [2C]	ND	0.20	mg/Kg							
Aroclor-1260	ND	0.20	mg/Kg							
Aroclor-1260 [2C]	ND	0.20	mg/Kg							
Aroclor-1262	ND	0.20	mg/Kg							
Aroclor-1262 [2C]	ND	0.20	mg/Kg							
Aroclor-1268	ND	0.20	mg/Kg							
Aroclor-1268 [2C]	ND	0.20	mg/Kg							
Surrogate: Decachlorobiphenyl	3.56		mg/Kg	4.00		89.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	3.43		mg/Kg	4.00		85.7	30-150			
Surrogate: Tetrachloro-m-xylene	3.19		mg/Kg	4.00		79.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	3.36		mg/Kg	4.00		84.1	30-150			
<b>LCS (B195027-BS1)</b>										
Prepared: 01/16/18 Analyzed: 01/18/18										
Aroclor-1016	3.3	0.20	mg/Kg	4.00		83.1	40-140			
Aroclor-1016 [2C]	3.5	0.20	mg/Kg	4.00		87.8	40-140			
Aroclor-1260	3.4	0.20	mg/Kg	4.00		85.5	40-140			
Aroclor-1260 [2C]	3.0	0.20	mg/Kg	4.00		75.4	40-140			
Surrogate: Decachlorobiphenyl	3.48		mg/Kg	4.00		87.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	3.34		mg/Kg	4.00		83.5	30-150			
Surrogate: Tetrachloro-m-xylene	3.26		mg/Kg	4.00		81.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	3.39		mg/Kg	4.00		84.8	30-150			
<b>LCS Dup (B195027-BSD1)</b>										
Prepared: 01/16/18 Analyzed: 01/18/18										
Aroclor-1016	3.2	0.20	mg/Kg	4.00		79.2	40-140	4.84		
Aroclor-1016 [2C]	3.3	0.20	mg/Kg	4.00		81.7	40-140	7.11		
Aroclor-1260	3.4	0.20	mg/Kg	4.00		85.9	40-140	0.428		
Aroclor-1260 [2C]	3.0	0.20	mg/Kg	4.00		74.4	40-140	1.29		
Surrogate: Decachlorobiphenyl	3.46		mg/Kg	4.00		86.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	3.31		mg/Kg	4.00		82.7	30-150			
Surrogate: Tetrachloro-m-xylene	3.16		mg/Kg	4.00		78.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	3.29		mg/Kg	4.00		82.2	30-150			

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

PCB-01

*SW-846 8082A*

Lab Sample ID: 18A0448-01 Date(s) Analyzed: 01/18/2018 01/18/2018

Instrument ID (1): ECD1 Instrument ID (2): ECD1

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	0.99	
	2	0.000	0.000	0.000	0.83	17.6

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**PCB-04**

*SW-846 8082A*

Lab Sample ID: 18A0448-04 Date(s) Analyzed: 01/18/2018 01/18/2018

Instrument ID (1): ECD1 Instrument ID (2): ECD1

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	1.7	
	2	0.000	0.000	0.000	1.5	12.5

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

LCS
-----

Lab Sample ID:           B195027-BS1                                Date(s) Analyzed:           01/18/2018                     01/18/2018          

Instrument ID (1):           ECD1                                                Instrument ID (2):           ECD1          

GC Column (1):                                      ID:                      (mm)                      GC Column (2):                                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	3.3	
	2	0.000	0.000	0.000	3.5	5.9
Aroclor-1260	1	0.000	0.000	0.000	3.4	
	2	0.000	0.000	0.000	3.0	12.5

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

LCS Dup

*SW-846 8082A*

Lab Sample ID:                     B195027-BSD1                                          Date(s) Analyzed:           01/18/2018                     01/18/2018          

Instrument ID (1):                     ECD1                                          Instrument ID (2):                     ECD1                    

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	3.2	
	2	0.000	0.000	0.000	3.3	3.1
Aroclor-1260	1	0.000	0.000	0.000	3.4	
	2	0.000	0.000	0.000	3.0	12.5

---

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**FLAG/QUALIFIER SUMMARY**

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

No results have been blank subtracted unless specified in the case narrative section.

**CERTIFICATIONS**

**Certified Analyses included in this Report**

Analyte	Certifications
<i>SW-846 8082A in Water</i>	
Aroclor-1016	CT,NH,NY,NC,ME,VA
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1221	CT,NH,NY,NC,ME,VA
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1232	CT,NH,NY,NC,ME,VA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1242	CT,NH,NY,NC,ME,VA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1248	CT,NH,NY,NC,ME,VA
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1254	CT,NH,NY,NC,ME,VA
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1260	CT,NH,NY,NC,ME,VA
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1262	NH,NY,NC,ME,VA
Aroclor-1262 [2C]	NH,NY,NC,ME,VA
Aroclor-1268	NH,NY,NC,ME,VA
Aroclor-1268 [2C]	NH,NY,NC,ME,VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Public Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2018
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018



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Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client PSI  
 Received By JM Date 1/16/18 Time 1545  
 How were the samples received? In Cooler T No Cooler \_\_\_\_\_ On Ice T No Ice \_\_\_\_\_  
 Direct from Sampling \_\_\_\_\_ Ambient \_\_\_\_\_ Melted Ice \_\_\_\_\_  
 Were samples within Temperature? 2-6°C T By Gun # 577 Actual Temp - 4.6  
 By Blank # \_\_\_\_\_ Actual Temp - \_\_\_\_\_  
 Was Custody Seal Intact? T Were Samples Tampered with? N/A  
 Was COC Relinquished? T Does Chain Agree With Samples? T  
 Are there broken/leaking/loose caps on any samples? F  
 Is COC in ink/ Legible? T Were samples received within holding time? T  
 Did COC include all Client T Analysis T Sampler Name T  
 pertinent Information? Project T ID's T Collection Dates/Times T  
 Are Sample labels filled out and legible? T  
 Are there Lab to Filters? N/A Who was notified? \_\_\_\_\_  
 Are there Rushes? N/A Who was notified? \_\_\_\_\_  
 Are there Short Holds? N/A Who was notified? \_\_\_\_\_  
 Is there enough Volume? T  
 Is there Headspace where applicable? N/A MS/MSD? N/A  
 Proper Media/Containers Used? T Is splitting samples required? N/A  
 Were trip blanks received? N/A On COC? N/A  
 Do all samples have the proper pH? N/A Acid \_\_\_\_\_ Base \_\_\_\_\_

Vials	#	Containers:	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

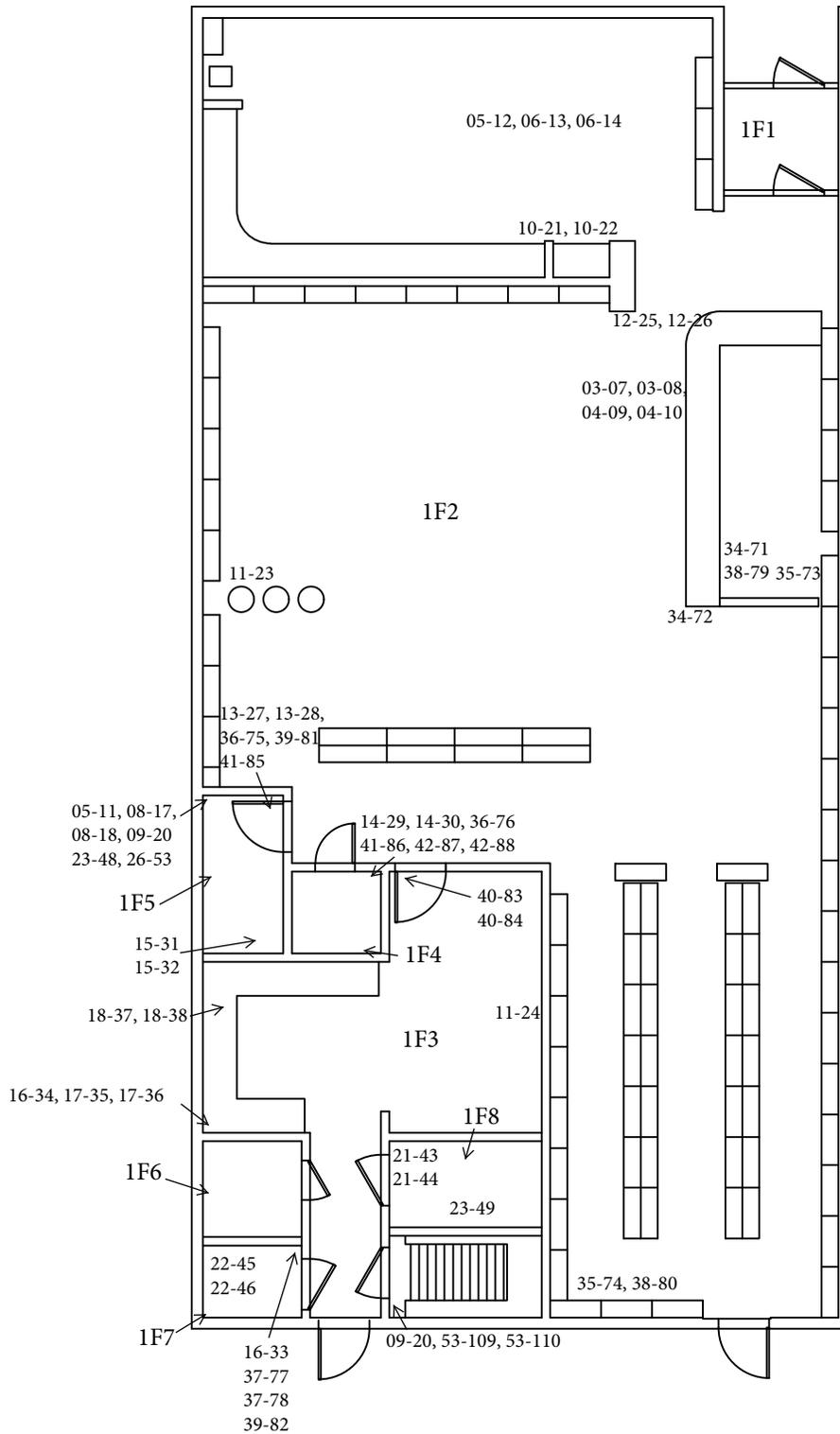
**Unused Media**

Vials	#	Containers:	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

**Comments:**

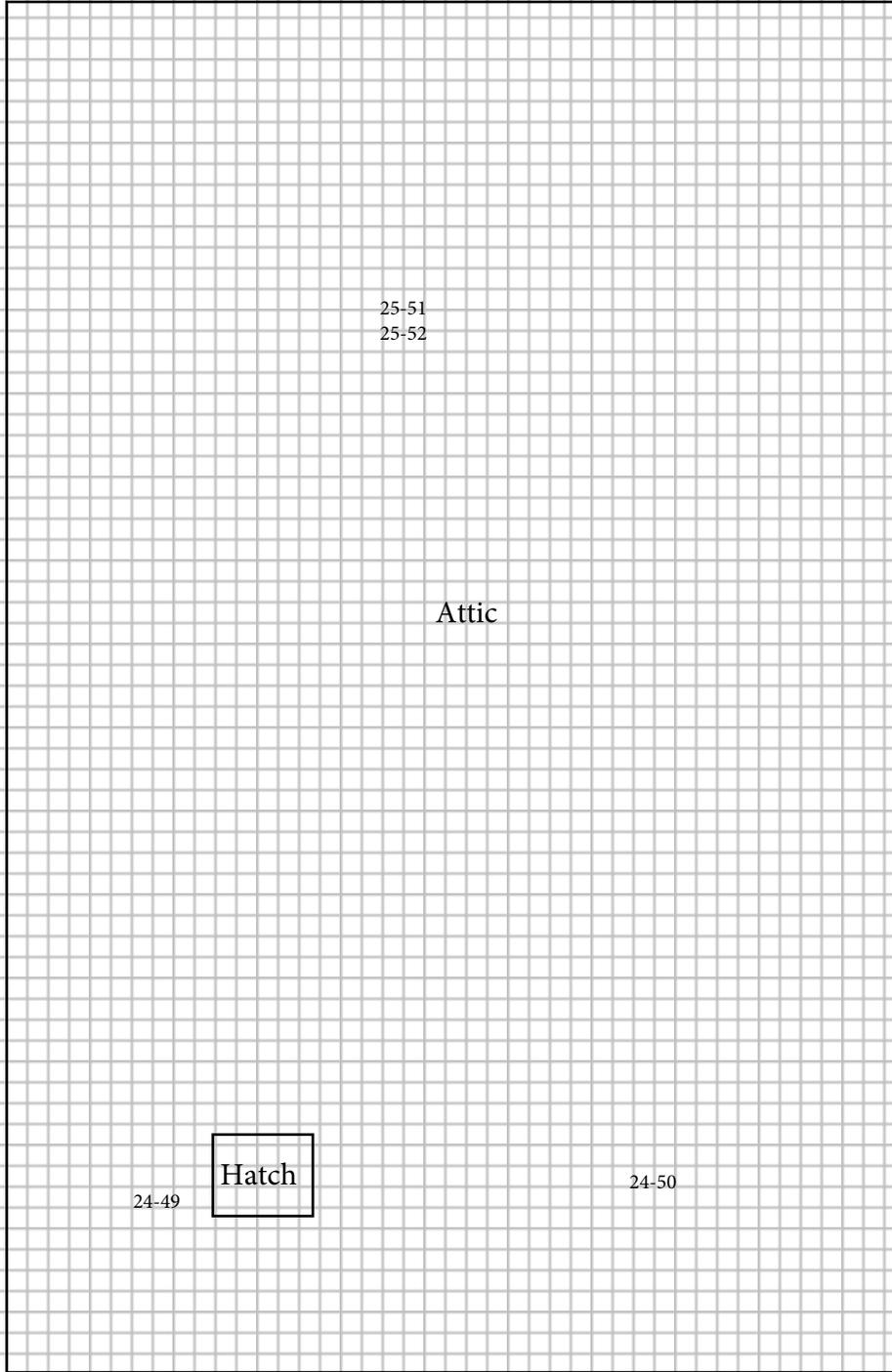
**APPENDIX D – SITE LAYOUT AND SAMPLE LOCATION DRAWING(S)**

# Mont Pleasant Branch Library Floor Plan



$\frac{3}{32}'' = 1'$

# Attic Sample Location Map



Professional Service Industries, Inc.  
104 Erie Boulevard, Suite 1  
Schenectady, New York 12305

(518) 377-9841 *phone*  
(518) 377-9847 *fax*

Client: County of Schenectady

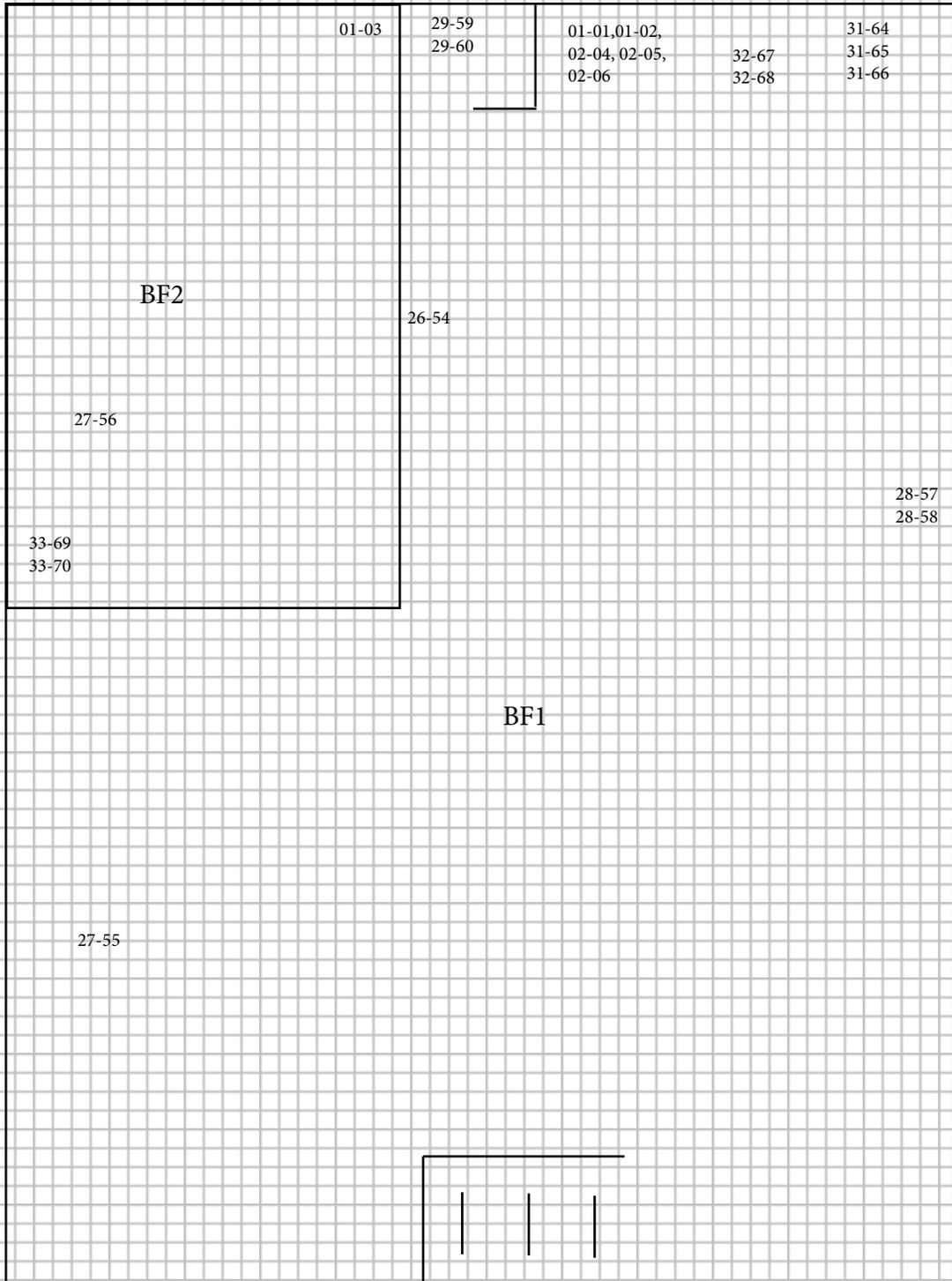
Name: 1026 Crane Street

PSI Project#:  
08212746

Date: 1/11/18

# Basement Sample Location Map

N  
↑



Professional Service Industries, Inc.  
104 Erie Boulevard, Suite 1  
Schenectady, New York 12305

(518) 377-9841 phone  
(518) 377-9847 fax

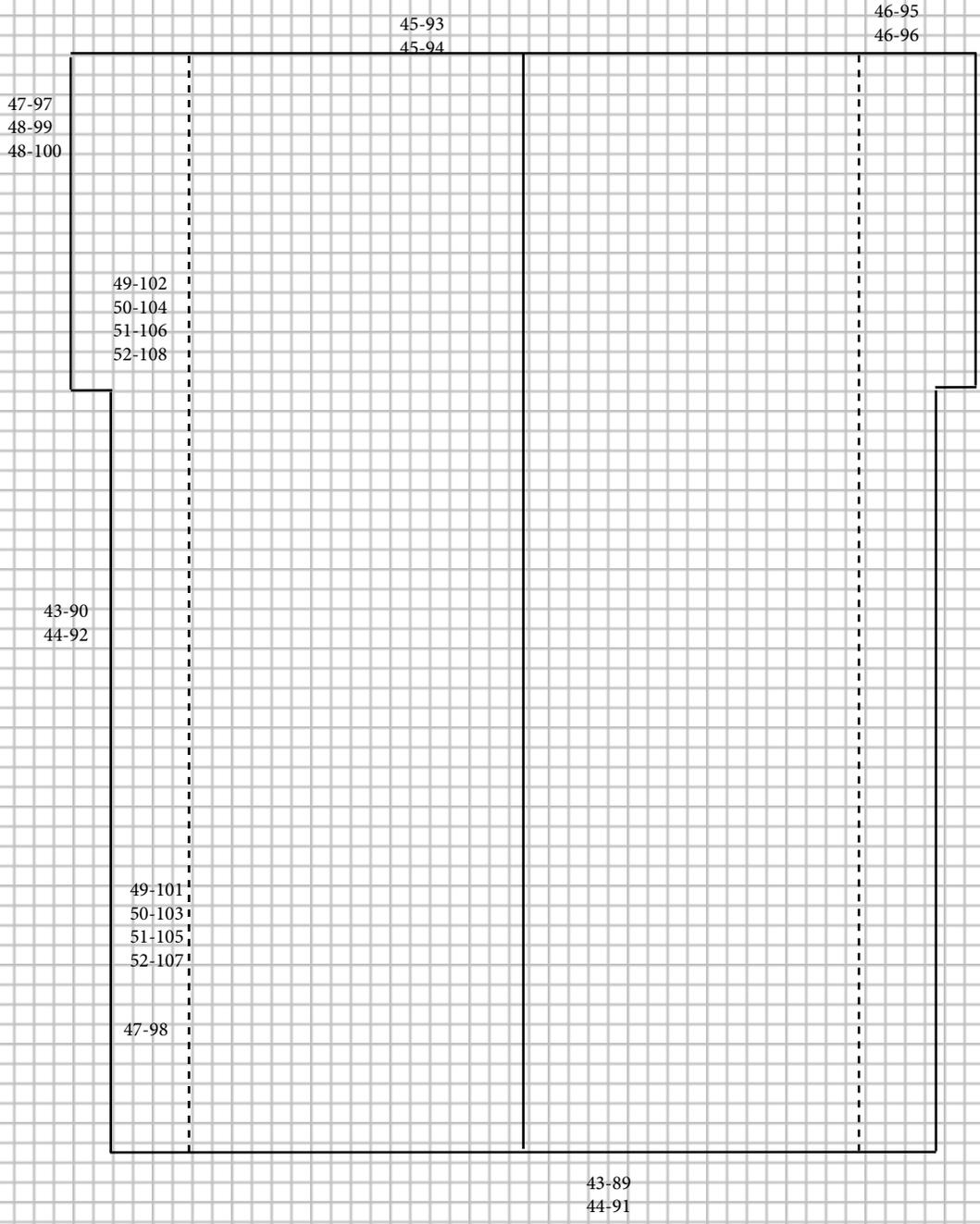
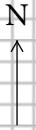
Client: County of Schenectady

Name: 1026 Crane Street

PSI Project#:  
08212746

Date: 1/11/18

# Exterior/Roof Sample Location Map



Professional Service Industries, Inc.  
104 Erie Boulevard, Suite 1  
Schenectady, New York 12305

(518) 377-9841 *phone*  
(518) 377-9847 *fax*

Client: County of Schenectady

Name: 1026 Crane Street

PSI Project#:  
08212746

Date: 1/11/18

## **APPENDIX E – ASBESTOS ASSESSMENT SPREADSHEETS**

**ASBESTOS ASSESSMENT SPREADSHEETS**

Project: 1026 Crane Street Demo survey

Project Number: 8212748

Inspector: Alexander Navratil

Certificate Number: 14-14616

Date of Inspection: 1/11/18

Samples Collected:

Attn: Mr Donald Scheuer

Floor	Room ID	Homogeneous Area	Quantity	Friability	Condition	Asbestos (Y/N)	Notes
1	1F1	2x4 Bird Track Ceiling Tile	N/A	NF	Fair	N	
		Tin Ceiling Vapor Barrier	N/A	NF	Fair	N	Above Drop Ceiling
		Brick Mortar	N/A	F	Fair	N	Above Drop Ceiling
		Terrazzo Flooring	N/A	F	Fair	N	
		Terrazzo Flooring Mortar	N/A	F	Fair	N	
	1F2	Terrazzo Flooring	N/A	F	Fair	N	
		Terazzo flooring Mortar	N/A	F	Fair	N	
		Tin Ceiling Vapor Barrier	N/A	F	Fair	N	Above Drop Ceiling
		Brick Mortar	N/A	F	Fair	N	Above Drop Ceiling
		2x4 Bird Track Ceiling Tile	N/A	NF	Fair	N	
		2x4 Wurm Track Ceiling Tile	N/A	NF	Fair	N	
		Drywall	N/A	F	Fair	N	
		Joint Compound	N/A	F	Fair	N	
		Carpet Adhesive	N/A	NF	Fair	N	
		Brown Cove Base	N/A	NF	Fair	N	
		Yellow Cove Base Adheisve	N/A	NF	Fair	N	
		Grey Leveling Compound	N/A	F	Fair	N	
		Grey Cove Base	N/A	NF	Fair	N	
		Yellow Cove Base Adheisve	N/A	NF	Fair	N	
		1F3	Carpet Adhesive	N/A	NF	Fair	N
	2x4 Bird Track Ceiling Tile		N/A	NF	Fair	N	
	Light brown Brown Cove Base		N/A	NF	Fair	N	
	Tan Cove Base Adheisve		N/A	NF	Fair	N	
	Tin Ceiling Vapor Barrier		N/A	F	Fair	N	Above Drop Ceiling
	Brick Mortar		N/A	F	Fair	N	Above Drop Ceiling
	Drywall		N/A	F	Fair	N	
	Joint Compound		N/A	F	Fair	N	
	<b>Black Sink Basin Coating</b>		<b>6 SF</b>	<b>NF</b>	<b>Fair</b>	<b>Y</b>	
	12x12 Beige Floor Tile		N/A	NF	Fair	N	
	12x12 Beige Floor Tile Adhesive		N/A	NF	Fair	N	
	12x12 Purple Floor Tile		N/A	NF	Fair	N	
	12x12 Purple Floor Tile Adhesive		N/A	NF	Fair	N	
	1F4	Drywall	N/A	F	Fair	N	
Joint Compound		N/A	F	Fair	N		
Black Cove Base		N/A	NF	Fair	N		
Tin Ceiling Vapor Barrier		N/A	F	Fair	N	Above Drop Ceiling	
Tan Cove Base Adheisve		N/A	NF	Fair	N		
Granite Linoleum Flooring		N/A	NF	Fair	N		
Granite Linoleum Flooring Adhesive		N/A	NF	Fair	N		
12x12 Purple Floor Tile		N/A	NF	Fair	N		
12x12 Purple Floor Tile Adhesive		N/A	NF	Fair	N		
1F5		Drywall	N/A	F	Fair	N	
	Joint Compound	N/A	F	Fair	N		
	Tin Ceiling Vapor Barrier	N/A	F	Fair	N	Above Drop Ceiling	
	Brick Mortar	N/A	F	Fair	N	Above Drop Ceiling	
	Black Cove Base	N/A	NF	Fair	N		

**ASBESTOS ASSESSMENT SPREADSHEETS**

Project: 1026 Crane Street Demo survey

Project Number: 8212748

Inspector: Alexander Navratil

Certificate Number: 14-14616

Date of Inspection: 1/11/18

Samples Collected:

Attn: Mr Donald Scheuer

Floor	Room ID	Homogeneous Area	Quantity	Friability	Condition	Asbestos (Y/N)	Notes
		Tan Cove Base Adheisve	N/A	NF	Fair	N	
		Granite Linoleum Flooring	N/A	NF	Fair	N	
		Granite Linoleum Flooring Adhesive	N/A	NF	Fair	N	
		12x12 Purple Floor Tile	N/A	NF	Fair	N	
		12x12 Purple Floor Tile Adhesive	N/A	NF	Fair	N	
		White Sink Caulk	N/A	NF	Fair	N	
	1F6	Drywall	N/A	F	Fair	N	
		Joint Compound	N/A	F	Fair	N	
		Tin Ceiling Vapor Barrier	N/A	F	Fair	N	Above Drop Ceiling
		Brick Mortar	N/A	F	Fair	N	Above Drop Ceiling
		Brown Cove Base	N/A	NF	Fair	N	
		Yellow Cove Base Adheisve	N/A	NF	Fair	N	
		12x12 Beige Floor Tile	N/A	NF	Fair	N	
		12x12 Beige Floor Tile Adhesive	N/A	NF	Fair	N	
		12x12 Purple Floor Tile	N/A	NF	Fair	N	
		12x12 Purple Floor Tile Adhesive	N/A	NF	Fair	N	
		2x4 Bird Track Ceiling Tile	N/A	NF	Fair	N	
	1F7	Red Cove Base	N/A	NF	Fair	N	
		Tan Cove Base Adheisve	N/A	NF	Fair	N	
		12x12 Purple Floor Tile	N/A	NF	Fair	N	
		12x12 Purple Floor Tile Adhesive	N/A	NF	Fair	N	
		Tin Ceiling Vapor Barrier	N/A	NF	Fair	N	Above Drop Ceiling
		Brick Mortar	N/A	F	Fair	N	Above Drop Ceiling
		Drywall	N/A	F	Fair	N	
		Joint Compound	N/A	F	Fair	N	
		2x4 Bird Track Ceiling Tile	N/A	NF	Fair	N	
		2x4 Textured Ceiling Tile Paper	N/A	NF	Fair	N	
		White Paneling Adhesive	N/A	NF	Fair	N	
	1F8	Tin Ceiling Vapor Barrier	N/A	F	Fair	N	Above Drop Ceiling
		12x12 Purple Floor Tile	N/A	NF	Fair	N	
		12x12 Purple Floor Tile Adhesive	N/A	NF	Fair	N	
		Drywall	N/A	F	Fair	N	
		Joint Compound	N/A	F	Fair	N	
		2x4 Bird Track Ceiling Tile	N/A	NF	Fair	N	
		red Cove Base	N/A	NF	Fair	N	
		Tan Cove Base Adheisve	N/A	NF	Fair	N	
		2x4 Textured Ceiling Tile Paper	N/A	NF	Fair	N	
Attic	Attic Space	Batt Insulation Pink Paper	N/A	NF	Fair	N	
		<b>Vermiculite blown in</b>	<b>300 SF</b>	<b>F</b>	<b>Fair</b>	<b>Y</b>	
		<b>Vibration Dampening Cloth</b>	<b>12 SF</b>	<b>NF</b>	<b>Fair</b>	<b>Y</b>	<b>Assumed Positive because it could not be sampled</b>
		White HVAC sealant	N/A	NF	Fair	N	
		Brick Mortar	N/A	F	Fair	N	
Basement	BF1	New Drywall	N/A	F	Fair	N	
		Wood Ceiling Black Vapor Barrier	N/A	F	Fair	N	
		Brick Mortar	N/A	F	Fair	N	
		Block Mortar	N/A	F	Fair	N	



## **APPENDIX F – INSPECTOR & LABORATORY CERTIFICATIONS**

**New York State – Department of Labor**

Division of Safety and Health  
License and Certificate Unit  
State Campus, Building 12  
Albany, NY 12240

**ASBESTOS HANDLING LICENSE**

Professional Service Industries, Inc. (PSI)

104 Erie Blvd

Schenectady, NY 12305

FILE NUMBER: 99-0046

LICENSE NUMBER: 29878

LICENSE CLASS: RESTRICTED

DATE OF ISSUE: 03/01/2017

EXPIRATION DATE: 03/31/2018

Duly Authorized Representative – John J Tranter:

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.



Eileen M. Franko, Director  
For the Commissioner of Labor

NEW YORK STATE DEPARTMENT OF HEALTH  
WADSWORTH CENTER



Expires 12:01 AM April 01, 2018  
Issued April 01, 2017

**CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE**

*Issued in accordance with and pursuant to section 502 Public Health Law of New York State*

MR. JOHN J. TRANTER  
PROFESSIONAL SERVICE INDUSTRIES INC  
104 ERIE BLVD, STE 1  
SCHENECTADY, NY 12305

NY Lab Id No: 10849

*is hereby APPROVED as an Environmental Laboratory for the category  
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE  
All approved subcategories and/or analytes are listed below:*

**Miscellaneous**

Asbestos in Friable Material

Item 198.1 of Manual

EPA 600/M4/82/020

Asbestos in Non-Friable Material-PLM

Item 198.6 of Manual (NOB by PLM)

NEW YORK  
state department of  
HEALTH

Serial No.: 55791

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.



**SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005**

**AmeriSci New York**  
DBA: AmeriSci New York  
117 E. 30th Street  
New York, NY 10016  
Mr. Paul Mucha  
Phone: 212-679-8600 Fax: 212-679-2711  
Email: pmucha@amerisci.com  
<http://www.amerisci.com>

**ASBESTOS FIBER ANALYSIS**

**NVLAP LAB CODE 200546-0**

**Bulk Asbestos Analysis**

<u>Code</u>	<u>Description</u>
18/A01	EPA -- Appendix E to Subpart E of Part 763 -- Interim Method of the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

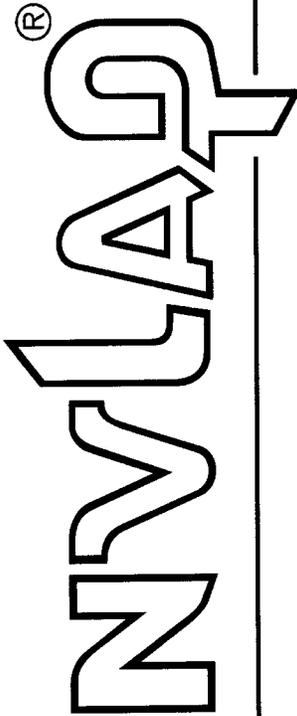
**Airborne Asbestos Analysis**

<u>Code</u>	<u>Description</u>
18/A02	U.S. EPA's "Interim Transmission Electron Microscopy Analytical Methods-Mandatory and Nonmandatory-and Mandatory Section to Determine Completion of Response Actions" as found in 40 CFR, Part 763, Subpart E, Appendix A.

A handwritten signature in black ink, appearing to read "Dana S. Gorman".

*For the National Voluntary Laboratory Accreditation Program*

United States Department of Commerce  
National Institute of Standards and Technology



---

# Certificate of Accreditation to ISO/IEC 17025:2005

---

NVLAP LAB CODE: 200546-0

**AmeriSci New York**  
New York, NY

is accredited by the National Voluntary Laboratory Accreditation Program for specific services,  
listed on the Scope of Accreditation, for:

## Asbestos Fiber Analysis

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005.  
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality  
management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).

2017-07-01 through 2018-06-30

Effective Dates

---

A handwritten signature in black ink, which appears to read "Peter S. Homan".

---

For the National Voluntary Laboratory Accreditation Program



## Department of Health

ANDREW M. CUOMO  
Governor

HOWARD A. ZUCKER, M.D., J.D.  
Commissioner

SALLY DRESLIN, M.S., R.N.  
Executive Deputy Commissioner

LAB ID: 11480

April 01, 2017

MR. PAUL J. MUCHA  
AMERICA SCIENCE TEAM NEW YORK INC  
117 EAST 30TH ST  
NEW YORK, NY 10016

Certificate Expiration Date:  
April 01, 2018

Dear Mr. Mucha,

Enclosed are certificate(s) of approval issued to your environmental laboratory for the current permit year. The certificate(s) supersede(s) any previously issued one(s) and is(are) in effect through the expiration date listed. Please carefully examine the certificate(s) to insure that the categories, subcategories, analytes, and methods for which your laboratory is approved are correct. In addition, verify that your laboratory's name, address, lead technical director, and identification number are accurate.

Pursuant to NYCRR Subpart 55-2.2, original certificates must be posted conspicuously in the laboratory and copies shall be made available to any client of the laboratory upon request.

Pursuant to NYCRR Subpart 55-2.6, any misrepresentation of the fields of accreditation (category - method - analyte) for which your laboratory is approved may result in denial, suspension, or revocation of your certification. Any use of the Environmental Laboratory Approval Program (ELAP) or National Environmental Laboratory Accreditation Program (NELAP) name, reference to the laboratory's approval status, and/or using the NELAP logo in any catalogs, advertising, business solicitations, proposals, quotations, laboratory analytical reports, or other materials must include the laboratory's ELAP identification number and distinguish between testing for which the laboratory is approved and testing for which the laboratory is not approved.

If you have any questions, please contact ELAP at the New York State Department of Health (NYS DOH), Wadsworth Center, PO Box 509, Albany NY, 12201-0509; by phone at (518) 485-5570; by facsimile at (518) 485-5568; and by email at [elap@health.ny.gov](mailto:elap@health.ny.gov).

Sincerely,

Victoria Pretti  
Director and QA Officer  
Environmental Laboratory Approval Program

NEW YORK STATE DEPARTMENT OF HEALTH  
WADSWORTH CENTER



Expires 12:01 AM April 01, 2018  
Issued April 01, 2017

**CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE**

*Issued in accordance with and pursuant to section 502 Public Health Law of New York State*

MR. PAUL J. MUCHA  
AMERICA SCIENCE TEAM NEW YORK INC  
117 EAST 30TH ST  
NEW YORK, NY 10016

NY Lab Id No: 11480

*is hereby APPROVED as an Environmental Laboratory for the category  
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE  
All approved subcategories and/or analytes are listed below:*

**Miscellaneous**

Asbestos in Friable Material	Item 198.1 of Manual EPA 600/M4/82/020
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)
Asbestos in Non-Friable Material-TEM	Item 198.4 of Manual

Serial No.: 56034

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.

NEW YORK STATE DEPARTMENT OF HEALTH  
WADSWORTH CENTER



Expires 12:01 AM April 01, 2018  
Issued April 01, 2017

**CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE**

*Issued in accordance with and pursuant to section 502 Public Health Law of New York State*

MR. PAUL J. MUCHA  
AMERICA SCIENCE TEAM NEW YORK INC  
117 EAST 30TH ST  
NEW YORK, NY 10016

NY Lab Id No: 11480

*is hereby APPROVED as an Environmental Laboratory for the category  
ENVIRONMENTAL ANALYSES AIR AND EMISSIONS  
All approved subcategories and/or analytes are listed below:*

**Miscellaneous**

Asbestos	40 CFR 763 APX A No. III YAMATE, AGARWAL GIBB NIOSH 7402
Fibers	NIOSH 7400 A RULES

Serial No.: 56035

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.

NEW YORK STATE DEPARTMENT OF HEALTH  
WADSWORTH CENTER



Expires 12:01 AM April 01, 2018  
Issued April 01, 2017

**CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE**

*Issued in accordance with and pursuant to section 502 Public Health Law of New York State*

MR. PAUL J. MUCHA  
AMERICA SCIENCE TEAM NEW YORK INC  
117 EAST 30TH ST  
NEW YORK, NY 10016

NY Lab Id No: 11480

*is hereby APPROVED as an Environmental Laboratory in conformance with the  
National Environmental Laboratory Accreditation Conference Standards (2003) for the category  
ENVIRONMENTAL ANALYSES POTABLE WATER  
All approved analytes are listed below:*

**Miscellaneous**

Asbestos

EPA 100.2

Serial No.: 56033

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.



NEW YORK STATE DEPARTMENT OF HEALTH  
WADSWORTH CENTER



Expires 12:01 AM April 01, 2018  
Issued April 01, 2017

**CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE**

*Issued in accordance with and pursuant to section 502 Public Health Law of New York State*

MR. TOD KOPYSCINSKI  
CON-TEST ENVIRONMENTAL LAB  
39 SPRUCE STREET  
EAST LONGMEADOW, MA 01028

NY Lab Id No: 10899

*is hereby APPROVED as an Environmental Laboratory in conformance with the  
National Environmental Laboratory Accreditation Conference Standards (2003) for the category  
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE*

*All approved analytes are listed below:*

**Polychlorinated Biphenyls**

PCB-1016	EPA 8082A
PCB-1221	EPA 8082A
PCB-1232	EPA 8082A
PCB-1242	EPA 8082A
PCB-1248	EPA 8082A
PCB-1254	EPA 8082A
PCB-1260	EPA 8082A
PCB-1262	EPA 8082A
PCB-1268	EPA 8082A
PCBs in Oil	EPA-600/4-81-045

**Polynuclear Aromatic Hydrocarbons**

Acenaphthene	EPA 8270D
Acenaphthylene	EPA 8270D
Anthracene	EPA 8270D
Benzo(a)anthracene	EPA 8270D
Benzo(a)pyrene	EPA 8270D
Benzo(b)fluoranthene	EPA 8270D
Benzo(ghi)perylene	EPA 8270D
Benzo(k)fluoranthene	EPA 8270D
Chrysene	EPA 8270D
Dibenzo(a,h)anthracene	EPA 8270D
Fluoranthene	EPA 8270D
Fluorene	EPA 8270D
Indeno(1,2,3-cd)pyrene	EPA 8270D
Naphthalene	EPA 8270D

**Polynuclear Aromatic Hydrocarbons**

Phenanthrene	EPA 8270D
Pyrene	EPA 8270D

**Priority Pollutant Phenols**

2,4,5-Trichlorophenol	EPA 8270D
2,4,6-Trichlorophenol	EPA 8270D
2,4-Dichlorophenol	EPA 8270D
2,4-Dimethylphenol	EPA 8270D
2,4-Dinitrophenol	EPA 8270D
2-Chlorophenol	EPA 8270D
2-Methyl-4,6-dinitrophenol	EPA 8270D
2-Methylphenol	EPA 8270D
2-Nitrophenol	EPA 8270D
3-Methylphenol	EPA 8270D
4-Chloro-3-methylphenol	EPA 8270D
4-Methylphenol	EPA 8270D
4-Nitrophenol	EPA 8270D
Pentachlorophenol	EPA 8270D
Phenol	EPA 8270D

**Semi-Volatile Organics**

1,2-Dichlorobenzene, Semi-volatile	EPA 8270D
1,3-Dichlorobenzene, Semi-volatile	EPA 8270D
1,4-Dichlorobenzene, Semi-volatile	EPA 8270D
2-Methylnaphthalene	EPA 8270D
Acetophenone	EPA 8270D
Benzoic Acid	EPA 8270D

Serial No.: 55831

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.



NEW YORK STATE DEPARTMENT OF HEALTH  
WADSWORTH CENTER



Expires 12:01 AM April 01, 2018  
Issued April 01, 2017

**CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE**

*Issued in accordance with and pursuant to section 502 Public Health Law of New York State*

**MR. DANIEL N. ANDERSON**  
**PSI, INC.**  
**850 POPLAR STREET**  
**PITTSBURGH, PA 15220**

**NY Lab Id No: 10930**

*is hereby APPROVED as an Environmental Laboratory for the category  
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE  
All approved subcategories and/or analytes are listed below:*

**Miscellaneous**

Asbestos In Friable Material	Item 198.1 of Manual EPA 600/M4/82/020
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)
Asbestos in Non-Friable Material-TEM	Item 198.4 of Manual
Asbestos-Vermiculite-Containing Material	Item 198.8 of Manual
Lead in Dust Wipes	EPA 7000B
Lead in Paint	EPA 7000B

**Sample Preparation Methods**

EPA 3050B

NEW YORK  
state department of  
HEALTH

**Serial No.: 55849**

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.



## AIHA Laboratory Accreditation Programs, LLC

*acknowledges that*

### **PSI - Professional Service Industries, Inc.**

850 Poplar Street, Pittsburgh, PA 15220

Laboratory ID: 100373

along with all premises from which key activities are performed, as listed above, has fulfilled the requirements of the AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC accreditation to the ISO/IEC 17025:2005 international standard, *General Requirements for the Competence of Testing and Calibration Laboratories* in the following:

#### **LABORATORY ACCREDITATION PROGRAMS**

- |   |                                      |
|---|--------------------------------------|
| <input checked="" type="checkbox"/> <b>INDUSTRIAL HYGIENE</b>         | Accreditation Expires: July 01, 2018 |
| <input checked="" type="checkbox"/> <b>ENVIRONMENTAL LEAD</b>         | Accreditation Expires: July 01, 2018 |
| <input checked="" type="checkbox"/> <b>ENVIRONMENTAL MICROBIOLOGY</b> | Accreditation Expires: July 01, 2018 |
| <input type="checkbox"/> <b>FOOD</b>                                  | Accreditation Expires:               |
| <input type="checkbox"/> <b>UNIQUE SCOPES</b>                         | Accreditation Expires:               |

Specific Field(s) of Testing (FoT)/Method(s) within each Accreditation Program for which the above named laboratory maintains accreditation is outlined on the attached **Scope of Accreditation**. Continued accreditation is contingent upon successful on-going compliance with ISO/IEC 17025:2005 and AIHA-LAP, LLC requirements. This certificate is not valid without the attached **Scope of Accreditation**. Please review the AIHA-LAP, LLC website ([www.aihaaccreditedlabs.org](http://www.aihaaccreditedlabs.org)) for the most current Scope.

William Walsh, CIH  
Chairperson, Analytical Accreditation Board

Cheryl O. Morton  
Managing Director, AIHA Laboratory Accreditation Programs, LLC

Revision 15: 03/30/2016

Date Issued: 06/30/2016



## AIHA Laboratory Accreditation Programs, LLC SCOPE OF ACCREDITATION

### PSI - Professional Service Industries, Inc.

850 Poplar Street, Pittsburgh, PA 15220

Laboratory ID: **100373**

Issue Date: 06/30/2016

The laboratory is approved for those specific field(s) of testing/methods listed in the table below. Clients are urged to verify the laboratory's current accreditation status for the particular field(s) of testing/Methods, since these can change due to proficiency status, suspension and/or withdrawal of accreditation.

The EPA recognizes the AIHA-LAP, LLC ELLAP program as meeting the requirements of the National Lead Laboratory Accreditation Program (NLLAP) established under Title X of the Residential Lead-Based Paint Hazard Reduction Act of 1992 and includes paint, soil and dust wipe analysis. Air analysis is not included as part of the NLLAP.

### Environmental Lead Laboratory Accreditation Program (ELLAP)

**Initial Accreditation Date: 06/07/1996**

Field of Testing (FoT)	Technology sub-type/ Detector	Method	Method Description <i>(for internal methods only)</i>
<b>Paint</b>		EPA SW-846 3050B	
		EPA SW-846 7000B	
		EPA SW-846 7420	
<b>Soil</b>		EPA SW-846 3050B	
		EPA SW-846 7000B	
		EPA SW-846 7420	
<b>Settled Dust by Wipe</b>		EPA SW-846 3050B	
		EPA SW-846 7000B	
		EPA SW-846 7420	
<b>Airborne Dust</b>		NIOSH 7082	

A complete listing of currently accredited Environmental Lead laboratories is available on the AIHA-LAP, LLC website at: <http://www.aihaaccreditedlabs.org>

STATE OF NEW YORK - DEPARTMENT OF LABOR  
ASBESTOS CERTIFICATE



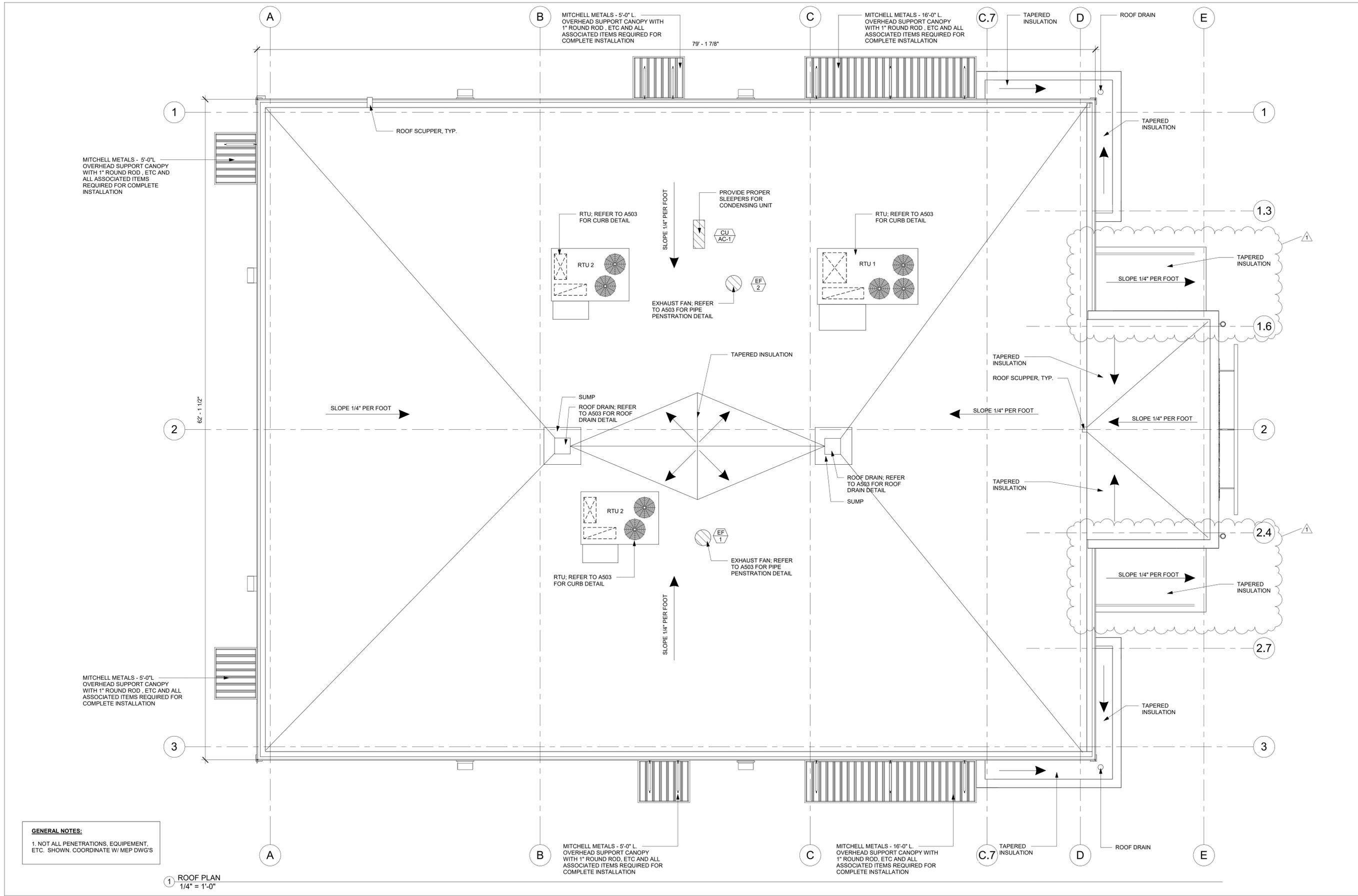
**ALEXANDER T NAVRATIL**  
CLASS(EXPIRES)  
D INSP(11/18)



CERT# 13-14616  
DMV# 713933761

**MUST BE CARRIED ON ASBESTOS PROJECTS**

110001101 001 001 000000000000 001 001



**GENERAL NOTES:**  
 1. NOT ALL PENETRATIONS, EQUIPMENT, ETC. SHOWN. COORDINATE W/ MEP DWG'S

1 ROOF PLAN  
 1/4" = 1'-0"



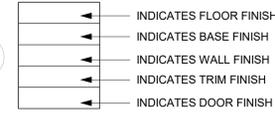
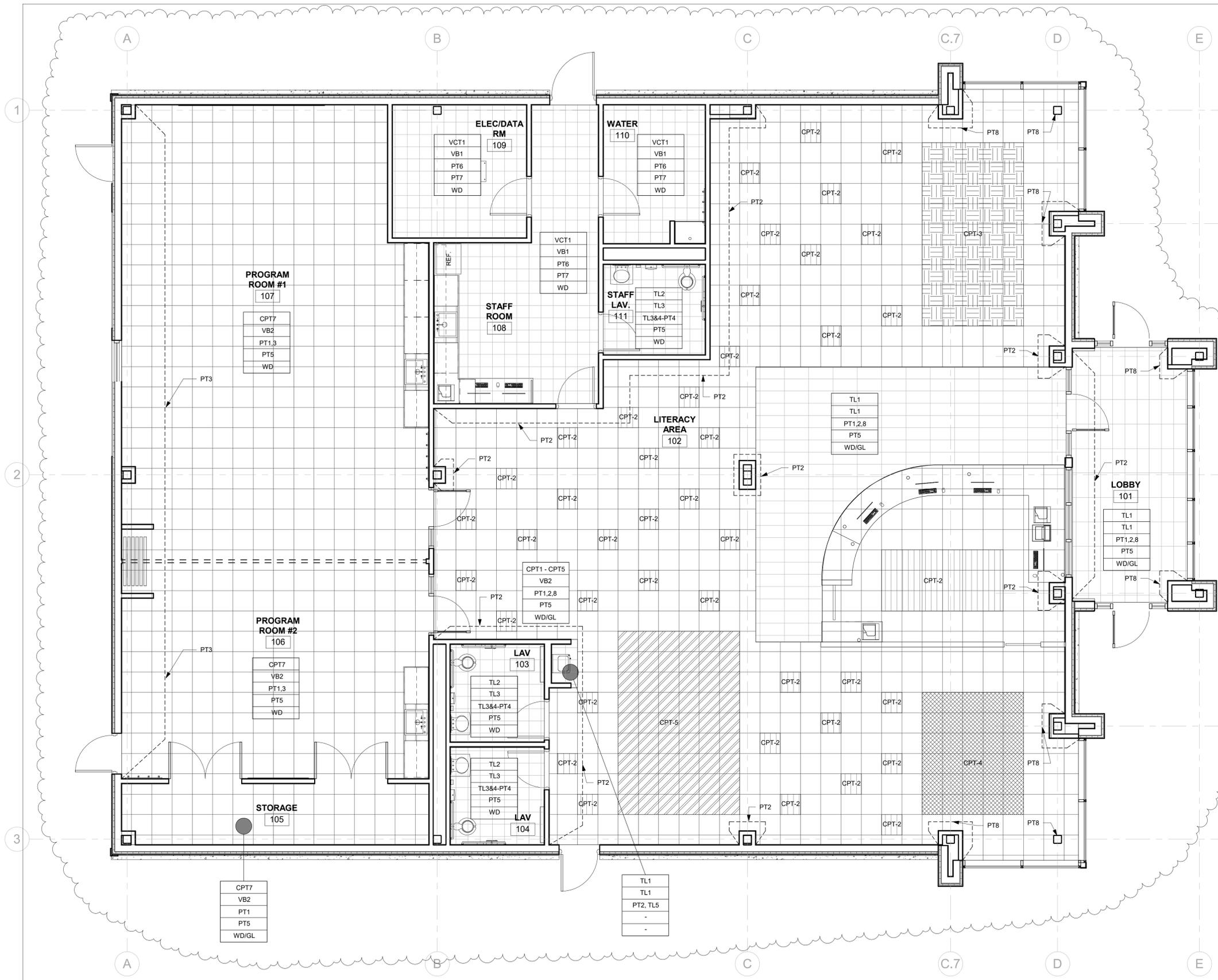
**SCHENECTADY COUNTY LIBRARY - MONT PLEASANT BRANCH**  
 1036 CRANE ST., SCHENECTADY, NY

Project Name: SCHENECTADY COUNTY LIBRARY - MONT PLEASANT BRANCH  
 Project No.:  
 Date: 2/14/2018 1:50:54 PM  
 Drawing Title: ROOF PLAN

NO.	DESCRIPTION	DATE
1	DRAWING CHANGES	2/14/18

1.25.18  
 MSG FOR CONST  
 A110

REFORM ARCHITECTURE  
 323 CLINTON STREET  
 SCHENECTADY, NY 12305  
 P: 518.399.4174  
 F: 518.399.4105



- PAINT:**
- PT1 SHERWIN WILLIAMS (FIELD) EGGSHHELL FINISH COLOR: SW 7015 REPOSE GRAY
  - PT2 GLIDDEN (ACCENT) EGGSHHELL FINISH COLOR: R52 CLASSIC BURGUNDY
  - PT3 SHERWIN WILLIAMS (PROGRAM RM ACCENT) EGGSHHELL FINISH COLOR: SW 6509 GEORGIAN BAY
  - PT4 SHERWIN WILLIAMS (BATHROOM WALL) EGGSHHELL FINISH COLOR: SW 7065 ARGOS
  - PT5 SHERWIN WILLIAMS (FRAMES) EGGSHHELL FINISH COLOR: SW 7018 DOVETAIL
  - PT6 SHERWIN WILLIAMS (OFFICE WALLS) EGGSHHELL FINISH COLOR: SW 7035 AESTHETIC WHITE
  - PT7 SHERWIN WILLIAMS (OFFICE FRAMES) EGGSHHELL FINISH COLOR: SW 7036 ACCESSIBLE BEIGE
  - PT8 SHERWIN WILLIAMS (COLUMN ENCLOSURES) METALLIC FINISH COLOR: SW 7072 ONLINE

- BASE:**
- VB1 JOHNSONITE VINYL BASE 4" HIGH COLOR #47 BROWN
  - VB2 JOHNSONITE VINYL BASE 4" HIGH COLOR #282 VAPORIZE

- VINYL COMPOSITION TILE:**
- VCT1 USE: ELEC ROOM/STAFF ROOM/WATER ROOM (FLOOR) MFG: JOHNSONITE PATTERN: AZROCK VCT COLOR: V-223 STONE NEUTRAL

- TILE:**
- TL1 USE: LOBBY DRINKING FOUNTAIN (FLOOR) MFG: DALTILE PATTERN: DELEGATE FLOOR COLOR: OFF WHITE DL25 (40%) & LIGHT GREY DL26 (60%) BASE COLOR: LIGHT GREY DL26 SIZE: 4"x8" W/ SCHLUTER TRIM
  - TL2 USE: BATHROOMS (FLOOR) MFG: DALTILE PATTERN: PORCEALTO GRANTI COLOR: GRIGIO GRANITE CD40-UNPOLISHED SIZE: 12"x12"
  - TL3 USE: BATHROOMS (WALL-FIELD) MFG: DALTILE PATTERN: SEMI-GLOSS COLOR: SUEDE GRAY 0182 (SEMI-GLOSS) SIZE: 4"x8" AREA: FIELD W/ SCHLUTER STRIP
  - TL4 USE: BATHROOMS (WALL-ACCENT) MFG: DALTILE PATTERN: SEMI-GLOSS COLOR: FIRE BRICK Q093 (SEMI-GLOSS) SIZE: 4"x8" AREA: ACCENT - 2 ROWS
  - TL5 USE: DRINKING FOUNTAIN (WALL) MFG: DALTILE PATTERN: CITY LIGHTS COLOR: LONDON CL60 SIZE: 1/2"x1/2"

- CARPET:**
- CPT1 USE: LITERACY AREA MFG: INTERFACE PATTERN: CARTERA-LIMA COLORES COLOR: PONCHO INSTALL: BRICK
  - CPT2 USE: LITERACY AREA MFG: INTERFACE PATTERN: VIVA COLORES COLOR: GRANA INSTALL: NON DIRECTIONAL
  - CPT3 USE: LITERACY AREA MFG: INTERFACE PATTERN: VIVA COLORES COLOR: ORO INSTALL: NON DIRECTIONAL
  - CPT4 USE: LITERACY AREA MFG: INTERFACE PATTERN: VIVA COLORES COLOR: NARANJA INSTALL: NON DIRECTIONAL
  - CPT5 USE: LITERACY AREA MFG: INTERFACE PATTERN: VIVA COLORES COLOR: CARBON INSTALL: NON DIRECTIONAL
  - CPT6 USE: NOT USED MFG: - PATTERN: - COLOR: - INSTALL: -
  - CPT7 USE: PROGRAM ROOMS MFG: INTERFACE PATTERN: EXTRA CURRICULAR COLOR: IMPRIZED INSTALL: QUARTER TURN

**FINISH NOTES:**

- MATERIAL COLORS SUBJECT TO CHANGE. PAINT CONTRACTOR TO COORDINATE WITH ARCHITECT BEFORE PAINTING TO DETERMINE COLOR OF EACH SURFACE.
- PROVIDE SCHLUTER SYSTEM STRIP AT ALL TILE LOCATIONS AS REQUIRED & PROVIDE ALL ASSOCIATED ITEM REQUIRED FOR INSTALLATION COMPLETE. COORDINATE WITH ARCHITECT ON EXACT LOCATIONS.

**REFORM ARCHITECTURE**

323 CLINTON STREET  
SCHENECTADY, NY 12305  
P: 518.399.4174  
F: 518.399.4105

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**SCHENECTADY COUNTY LIBRARY - MONT PLEASANT BRANCH**

1036 CRANE ST., SCHENECTADY, NY

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**FINISH PLAN**

Project No. 2/14/2018 12:51:13 PM  
Project Name: SCHENECTADY COUNTY LIBRARY - MONT PLEASANT BRANCH

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NO.	DESCRIPTION	DATE
1	FINISH CHANGES	2/14/18

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**F100**

1 FINISH PLAN  
1/4" = 1'-0"